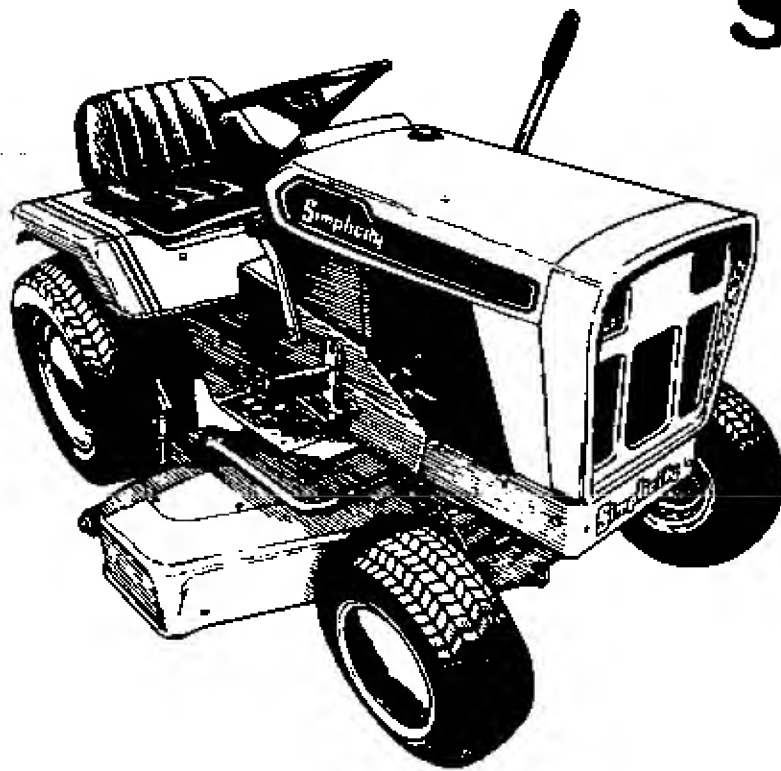


# **Parts Manual Models 7010 & 7016 Six Speed**



TP - 495-2  
PRINTED IN U.S.A.  
792

10 H.P. TRACTOR  
MFG. NO. 1690333  
16 H.P. TRACTOR  
MFG. NO. 1690341  
16 H.P. TRACTOR  
W/AGRICULTURAL TIRES  
MFG. NO. 1690425  
16 H.P. TRACTOR  
W/TURF TIRES  
MFG. NO. 1690423  
AGRICULTURAL TIRES  
MFG. NO. 1690304  
TURF TIRES  
MFG. NO. 1690319  
42" ROTARY MOWER  
MFG. NO. 1690271  
48" ROTARY MOWER  
MFG. NO. 1690272

# ***Simplicity***®

## Product Identification:

When ordering parts, keep your products serial number and manufacturer's number in mind. Variations may occur in a part between early and later model products, causing the product serial number to be listed in the parts description whenever these variations occur.

Record your I.D. numbers here for quick, future reference.

Product Mfg. No. \_\_\_\_\_ S/N \_\_\_\_\_ Mower Mfg. No. \_\_\_\_\_ S/N \_\_\_\_\_

## Attention:

Standard torques appear in a chart at the end of the manual, while important individual torques are given on specific parts drawings.

**CRITICAL** and **MAJOR** notations point out important facts or instructions which relate to personal safety and proper machine operation. Any **CRITICAL** notation **C** which may appear in this book, pinpoints characteristics which, if not properly followed, can create a safety hazard. Any **MAJOR** notation **M** which may appear in this book, marks characteristics which, if not properly followed, may result in operating failure, shortened product life, or greatly reduced quality of the unit.

For your convenience, assembly notes are included in parts drawings to assist in repair and assembly of unit.

**NOTE:** Specifications may change without notice.

**SIMPLICITY PRODUCTS FOR THE PROPER CARE OF EQUIPMENT**  
These genuine *Simplicity* products will help the owner extend the life of his equipment.

### OILS - SPECIFICALLY BLENDED OF HIGH QUALITY BASE OILS & ADDITIVES.

**Special Worm Gear (Roticut) Oil** for use in all tillers and snowthrowers with worm gear auger drive. Required for protection of brass gears and mating parts. **Case of 12 Quarts, Part #1685100, Individual Quarts 118065.**

**Multi-Purpose Hydraulic/Transmission Oil** for use in most hydraulic applications, and hydrostatic and gear transmissions. Specific *Simplicity* applications: All hydrostatic transmissions, all bevel gear cases, all Broadmoor, Landlord, Sovereign, 4000, 6000, 7000 transmissions (except Peerless Gear Transmissions). (Not used in SunStar tractor transmission.) **Case of 12 Quarts, Part #1685516, 2½ Gallon Container, Part #1685539.**

**2-Cycle Engine Oil**, a premium lubricant for all 2-cycle air-cooled engines. **Case of 12 Part #1685517.**

**SAE 5W 30 SF/CD Cold Weather Engine Oil** for use in all four cycle and diesel engines at 30° temp. and under. **Case of 12 Quarts, Part # 1685576.**

**SAE 15W40 SF/CD Engine Oil** for gas and diesel engines, warm weather; see engine manufacturer recommendations. **Case of 12 Quarts, Part #1685554.**

**Grease Gun Kit** has 12" flexible hose to get into tight spots with ease. Kit contains: gun and 1-8 oz. tube of grease. **Part #1685510. For replacement tube, order Part # 103077.**

**Pneumatic Tire Seal**, seals all leaks including bead leaks and punctures up to 3/16 inch diameters. Prevents flats for tread life of tire. Available in following amounts.

<b>Case of 12 - 11 Oz. Tubes</b>	<b>1685537</b>
<b>Case of 24 - 11 Oz. Tubes</b>	<b>1685525</b>
<b>5 Gallon Pail</b>	<b>1685527</b>

**Touch-Up Paint** keeps equipment in showroom condition.

Spray Cans	Quarts	Daubbers 12/Ctn.
*Simplicity Orange - 103262 (12 cans/1685179)	1685037	1685520 - Mixed (6 Simp. Orange, 6 White)
**Classic Orange - 1685558 (12 cans/1685559)	1685560	1685562 - Mixed (6 Classic Orange, 6-White)
White 103049 (12 cans/1685178)	1685032	1685562 - Mixed (6-Classic Orange, 6-White) 1685520 - Mixed (6-Simp. Orange, 6-White)
Black - 1685551 (12 Cans/1685552)	N.A.	N.A.
*For 1977 thru early 1985 products. **For products produced after 12/1/85.		

***Simplicity* Designer Seat Covers** are double stitched, easy care vinyl. Keeps new seats new, makes worn seats look new.

• Small Cover for 4000, 5000, & 6100 Tractors	<b>1685540</b>
• Large Cover for 6200, 7000 & 9000 Tractors	<b>1685541</b>
• SunStar Seat Cover	<b>1685577</b>

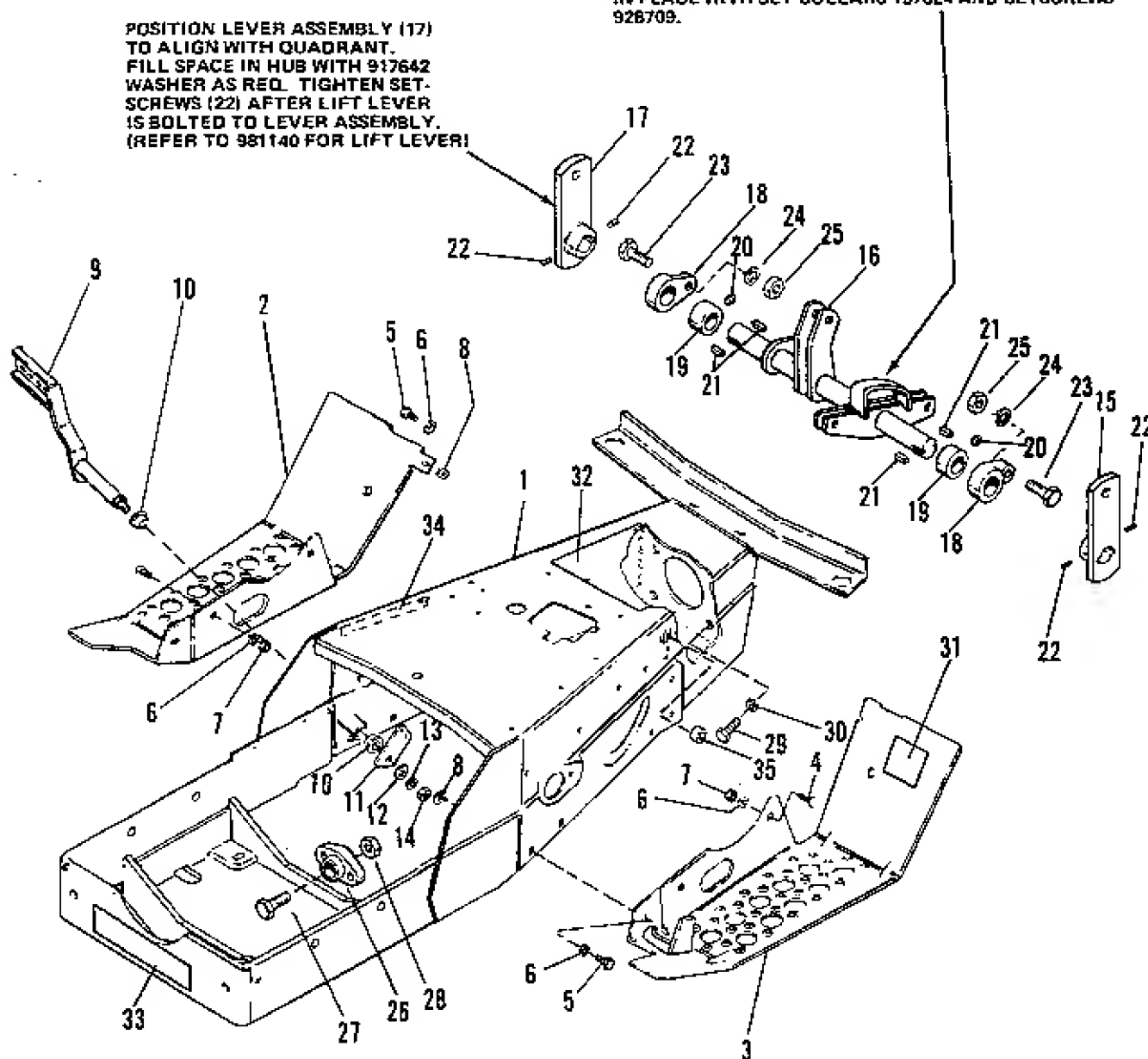
**Extend Equipment Life - Use Only Genuine *Simplicity* Parts**

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STANDARD HARDWARE TORQUE SPECIFICATIONS	Inside Back Cover

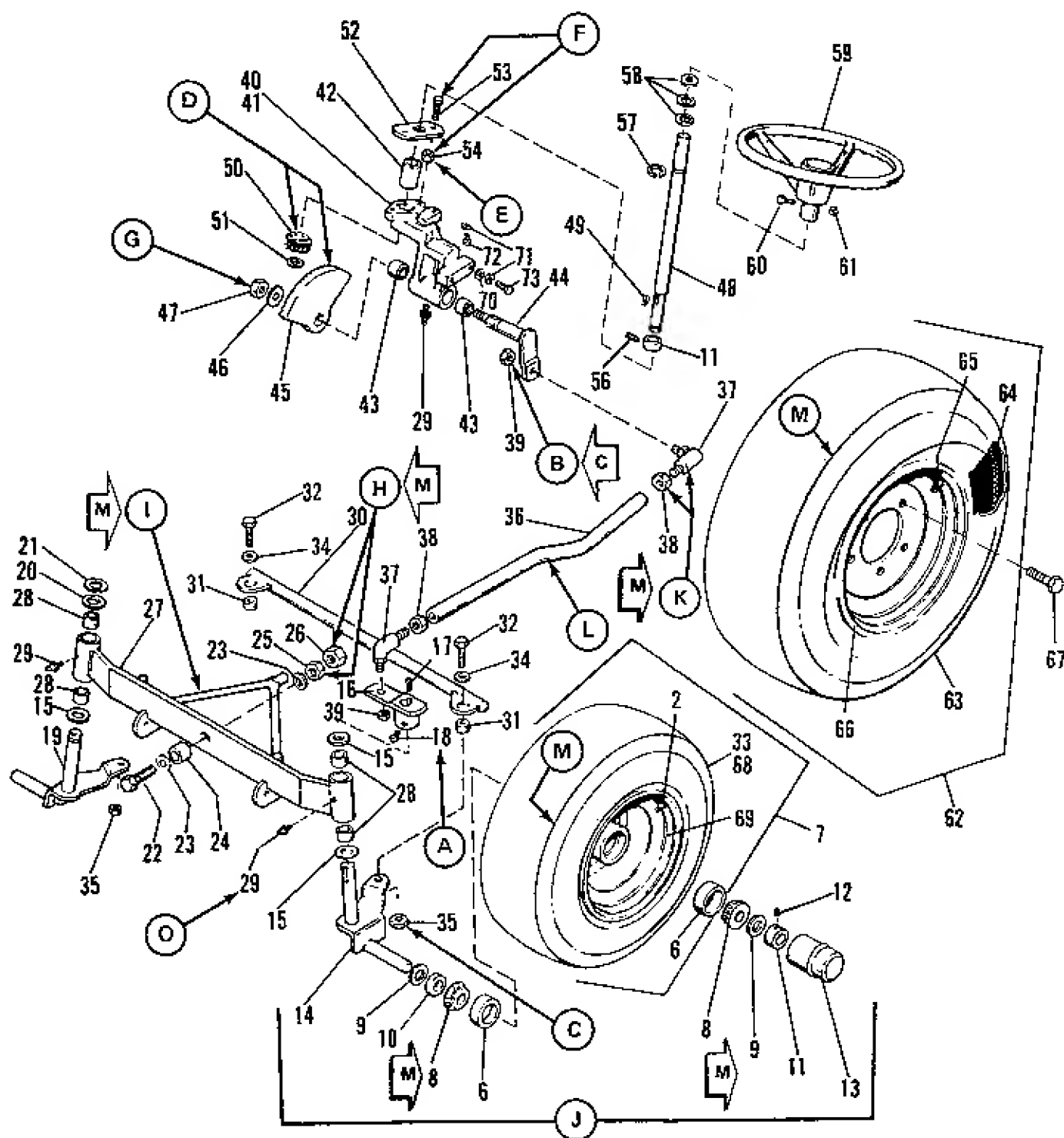
POSITION LEVER ASSEMBLY (17)  
TO ALIGN WITH QUADRANT.  
FILL SPACE IN HUB WITH 917642  
WASHER AS REQ. TIGHTEN SET-  
SCREWS (22) AFTER LIFT LEVER  
IS BOLTED TO LEVER ASSEMBLY.  
(REFER TO 981140 FOR LIFT LEVER)

POSITION SHAFT ASSEMBLY 1663168 BY ALIGNING LEVER  
ARM WITH CENTER OF LIFT CABLE PULLEY BRACKET ON  
LEFT HAND SIDE OF FRAME. SECURE SHAFT ASSEMBLY  
IN PLACE WITH SET COLLARS 157624 AND SETSCREWS  
928709.



USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209  
UNLESS OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1665256	1	(00000)-( )	REAR FRAME ASSEMBLY
2	171271	1	(00000)-( )	FOOT REST, R.H.
3	176628	1	(00000)-( )	FOOT REST, L.H.
4	920562	6	(00000)-( )	BOLT, Carriage, 5/16-18 x 3/4
5	921332	2	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 3/4
6	917356	8	(00000)-( )	LOCKWASHER, 5/16
7	917372	6	(00000)-( )	NUT, Hex, Full, 5/16-18
8	920470	2	(00000)-( )	NUT, Speed, Tinn., 5/16-18
9	1657472	1	(00000)-( )	FOOT PEDAL ASSEMBLY
10	108419	2	(00000)-( )	BUSHING
11	157300	1	(00000)-( )	ARM, Pedal Foot
12	917378	1	(00000)-( )	WASHER, 3/8
13	916965	1	(00000)-( )	LOCKWASHER, 3/8
14	916950	1	(00000)-( )	NUT, Hex, Full, 3/8-16
15	171593	1	(00000)-( )	FRONT LIFT LEVER ASSEMBLY
16	1663168	1	(00000)-( )	LIFT SHAFT ASSEMBLY
17	157625	1	(00000)-( )	LIFT LEVER ASSEMBLY
18	170975	2	(00000)-( )	BEARING, Lift Lever
19	157624	2	(00000)-( )	SET, Collar
20	928709	2	(00000)-( )	SETSCREW, Cup Pt., 5/16-18 x 3/8
21	157652	4	(00000)-( )	KEY
22	928734	4	(00000)-( )	SETSCREW, Soc. Hd., 5/16-18 x 1/4
23	921977	2	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
24	917356	2	(00000)-( )	LOCKWASHER, 5/16
25	917372	2	(00000)-( )	NUT, Hex, Full, 5/16-18
26	1653876	1	(00000)-( )	BEARING, Pivot
27	928727	2	(00000)-( )	CAPSCREW, Whiz, 3/8-16 x 1-1/4
28	928352	2	(00000)-( )	NUT, Flange, 3/8-16
29	921212	4	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1-1/2
30	918199	4	(00000)-( )	LOCKWASHER, 7/16
31	1655727	1	(00000)-( )	DECAL, Parking Brake
32	176822	1	(00000)-( )	PLATE, Safety
33	153166	1	(00000)-( )	DECAL, Simplicity
34	174954	1	(00000)-( )	DECAL, Clutch
35	174862	1	(00000)-( )	BUSHING



NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.

Ref. No.	Part No.	Qty.	Serial No.	Description
2	156305	2	(00000)-( )	VALVE STEM & CAP
6	154393	4	(00000)-( )	CUP, Bearing (7010 Only)
7	171376	2	(00000)-( )	WHEEL & TIRE ASSY
8	154486	4	(00000)-( )	CONE, Bearing
9	171375	4	(00000)-( )	SPACER
10	170168	2	(00000)-( )	SEAL
11	8021010	3	(00000)-( )	COLLAR, Set
12	928691	2	(00000)-( )	SETSCREW, Sq. Hd., Cup Pt., 5/16-18 x 5/16
13	154487	2	(00000)-( )	CAP, Hub
14	171774	1	(00000)-( )	SPINDLE ASSY, L.H.
15	108181	3	(00000)-( )	WASHER
16	170998	1	(00000)-( )	ARM, Steering, L.H.
17	157427	2	(00000)-( )	KEY, Square
18	928721	2	(00000)-( )	SETSCREW, 5/16-18 x 1/2
19	157494	1	(00000)-( )	SPINDLE ASSY, R.H.
20	8061012	1	(00000)-( )	WASHER
21	927794	1	(00000)-( )	"E" RING, External
22	927469	1	(00000)-( )	CAPSCREW, Hex Hd., 1/2-13 x 2-1/4
23	918431	2	(00000)-( )	WASHER, Plain, 1/2
24	157618	1	(00000)-( )	SPACER
25	930648	1	(00000)-( )	LOCKNUT, Hex, 1/2-13
26	913744	1	(00000)-( )	NUT, Jam Hex, 1/2-13
27	1650553	1	(00000)-( )	FRONT AXLE ASSY
28	154289	4	(00000)-( )	BUSHING
29	914687	3	(00000)-( )	FITTING, Grease
30	157499	1	(00000)-( )	TIE ROD ASSY
31	154177	2	(00000)-( )	SPACER
32	921210	2	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
33	157490	2	(00000)-( )	TIRE, 16 x 6.50-8, Goodyear
	1605965	2	(00000)-( )	TIRE, 16 x 6.50-8, Carlisle
34	917378	2	(00000)-( )	WASHER, Plain, 3/8
35	930651	2	(00000)-( )	LOCKNUT, Hex, 3/8-16
36	171830	1	(00000)-( )	LINK, Drag
37	164272	2	(00000)-( )	JOINT, Ball
38	919262	2	(00000)-( )	NUT, Jam Hex, 1/2-20
39	930245	2	(00000)-( )	LOCKNUT, Hex, 1/2-20
40	171832	1	(00000)-( )	STEERING HOUSING ASSY. (Incl. Ref. No's 41, 42 & 43)
41		1	(00000)-( )	HOUSING, Steering
42	170992	1	(00000)-( )	BUSHING
43	154258	2	(00000)-( )	BEARING, Needle
44	170999	1	(00000)-( )	STEERING ARM ASSEMBLY
45	170987	1	(00000)-( )	GEAR, Bevel
46	918430	1	(00000)-( )	WASHER, Plain, 7/16
47	924058	1	(00000)-( )	LOCKNUT, Hex, 7/16-14
48	171020	1	(00000)-( )	SHAFT, Steering
49	910224	1	(00000)-( )	KEY, Woodruff, No. 6, 5/32 x 5/8
50	170988	1	(00000)-( )	PINION, Bevel

NOTE: PARTS REF. NO. 51-73 CONTINUED  
ON THE FOLLOWING PAGE.










Ref. No.	Part No.	Qty.	Serial No.	Description
51	1602155	1	{00000}-{ }	"E" RING
52	171000	1	{00000}-{ }	PLATE, Steering
53	920415	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
54	928731	2	{00000}-{ }	LOCKNUT, 3/8-16
56	928734	1	{00000}-{ }	SETSCREW, Sq. Hd., 5/16-18 x 1/4
57	154264	1	{00000}-{ }	RING, Retaining
58	158223	3	{00000}-{ }	WASHER
59	1606342	1	{00000}-{ }	WHEEL, Steering
60	921977	1	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
61	929001	1	{00000}-{ }	LOCKNUT, Flange, 5/16-18
62	173431	2	{00000}-{ }	WHEEL & TIRE ASSEMBLY (7010 Only)
	173432	2	{00000}-{ }	WHEEL & TIRE ASSY. (1690423 Only)
	1657752	1	{00000}-{ }	WHEEL & TIRE ASSY., R.H. (1690425 Only)
	1657753	1	{00000}-{ }	WHEEL & TIRE ASSY., L.H. (1690425 Only)
63	157024	2	{00000}-{ }	TIRE, 23-8.50 x 12, Goodyear (7010 Only)
	1605968	2	{00000}-{ }	TIRE, 23-8.50 x 12 Carlisle (7010 Only)
	1605967	1	{00000}-{ }	TIRE, Turf, 23-10.50, Carlisle (1690423 Only)
	1664215	1	{00000}-{ }	TIRE, Turf, 23-10.50, Firestone (1690423 Only)
	1657694	1	{00000}-{ }	TIRE, Ag., 23-10.50 (1690425 Only)
64	157602	2	{00000}-{ }	TUBE (7010 Only)
	157638	2	{00000}-{ }	TUBE (7016 Only)
65	172353	2	{00000}-{ }	STEM & VALVE CAP (7010 Only)
66	173430	2	{00000}-{ }	WHEEL, Drive (7010 Only)
67	8261100	10	{00000}-{ }	BOLT, Hub
68	164247	2	{00000}-{ }	TUBE, (7016 Only)
69	171377	2	{00000}-{ }	WHEEL ASSY (7016 Only)
70	917378	2	{00000}-{ }	WASHER, Plain, 3/8
71	916965	3	{00000}-{ }	LOCKWASHER, Spring, 3/8
72	921965	1	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 3/4
73	921966	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 7/8

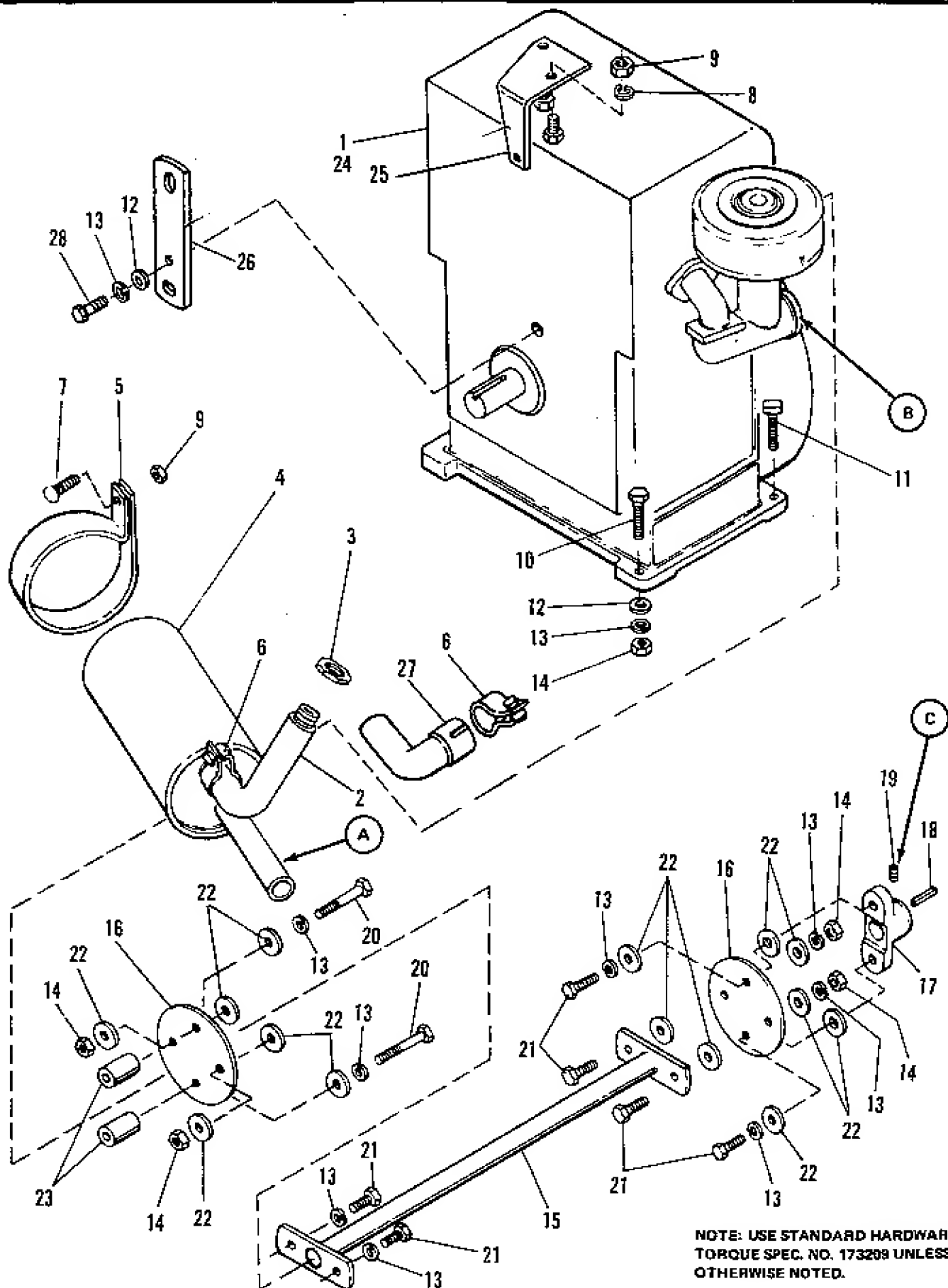
NOTE: PARTS REF. NO. 1-50 FOUND ON  
PRECEDING PAGE



## WHEEL, AXLE & STEERING GROUP

- A. Torque to 13 Ft. Lbs. Min. (2 Places).
- B. 930633 Nut – Torque to 40-60 Ft. Lbs. (2 Places). 
- C. Torque to 15-22 Ft. Lbs. (2 Places).
- D. Timing marks on pinion 170988 and gear 170987 must be in line. Do not brush grease on tooth surfaces of gear and pinion. 
- E. Torque 16-21 Ft. Lbs.
- F. Remove backlash in assembly by turning capscrew 917400 until backlash is set and lock by tightening locknut 928731 against plate 171000.
- G. Torque 25-33 Ft. Lbs.
- H. Torque nut 930648 to 80-100 Ft. Lbs. Lock nut in place after torquing by holding nut 930648 and tightening jam nut 913744 to 45-55 Ft. Lbs. 
- I. Axle assembly 1652104 must pivot freely after assembly. 
- J. Assemble items on front spindle in order listed.
  - a. 171375 spacer
  - b. 170168 seal
  - c. 154486 bearing
  - d. Wheel & Tire Assembly
  - e. 154486 bearing
  - f. 171375 spacer
  - g. 8021010 Collar & 928641 setscrew – Torque setscrews to 9-10 Ft. Lbs. Min. 
  - h. 154487 hub cap

Apply lithium grease to bearings 154486 at time of assembly. After assembly is complete, bearings must rotate freely without end play. 
- K. Hold ball joints when tightening jam nuts (2 Places). 
- L. NOTE: Adjust length of drag link assembly 1650571 by positioning end ball joints so that front wheels will be in the straight ahead position when the steering gear arm is positioned at approx. 19° as shown. The steering wheel mounting hole  $\phi$  is to be parallel to fore and aft  $\phi$  of tractor.
- M. NOTE: Tire pressure as received from vendor = 20 PSI Min. at time of assembly.
- N. Use standard hardware torque Spec. No. 173209 unless otherwise noted.
- O. Apply grease to spindle bearings (2 Places).



Ref. No.	Part No.	Qty.	Serial No.	Description
1		1	(00000)-( )	ENGINE, 10 H.P., Kohler
2	1656492	1	(00000)-( )	ELBOW & NIPPLE ASSY (7016 Only)
3	154378	1	(00000)-( )	LOCKNUT (7016 Only)
4	170456	1	(00000)-( )	MUFFLER
5	171880	1	(00000)-( )	STRAP, Muffler
6	172061	2	(00000)-( )	CLAMP, Muffler (Quan. 1 used on 7016 )
7	933689	1	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2 (7010 Only)
8	917356	2	(00000)-( )	LOCKWASHER, 5/16 (Used on 7016 Only)
9	927557	3	(00000)-( )	LOCKNUT, Hex, Flange, Whizlock, 5/16-18 (Quan. 1 used on 7010)
10	921969	4	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2 (Quan. 2 used on 7016)
11	172455	2	(00000)-( )	CAPSCREW, Rect. Hd., 3/8-16 x 1-5/8 (7016 Only)
12	917378	5	(00000)-( )	WASHER, 3/8 (Quan. 4 used on 7016)
13	916965	13	(00000)-( )	LOCKWASHER, 3/8 (Quan. 12 used on 7016 )
14	916960	8	(00000)-( )	NUT, Hex, 3/8-16
15	172328	1	(00000)-( )	DRIVE SHAFT ASSY
16	173026	2	(00000)-( )	COUPLING
17	172284	1	(00000)-( )	FLANGE, Drive Shaft
18	157427	1	(00000)-( )	KEY, Drive Shaft
19	924624	1	(00000)-( )	SETSCREW, 3/8-24 x 3/8
20	922130	2	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 2-1/4
21	920415	6	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
22	157424	16	(00000)-( )	WASHER, Special
23	1656397	2	(00000)-( )	SPACER
24		1	(00000)-( )	ENGINE, 16 H.P., Briggs & Stratton
25	1663308	1	(00000)-( )	SUPPORT, Muffler (7016 Only)
26	1657043	1	(00000)-( )	BRACKET (7010 Only)
27	1651474	1	(00000)-( )	ELBOW (7010 Only)
28	921966	1	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 7/8 (7010 Only)

A. When muffler is assembled onto engine, exhaust pipe must line up with hole in side of hood.

B. Choke button to be pushed in on dash and choke lever on carburetor to be in open position before tightening clamp bolt.

C. Tighten setscrew after drive shaft assembly has been secured to engine flywheel adaptor.

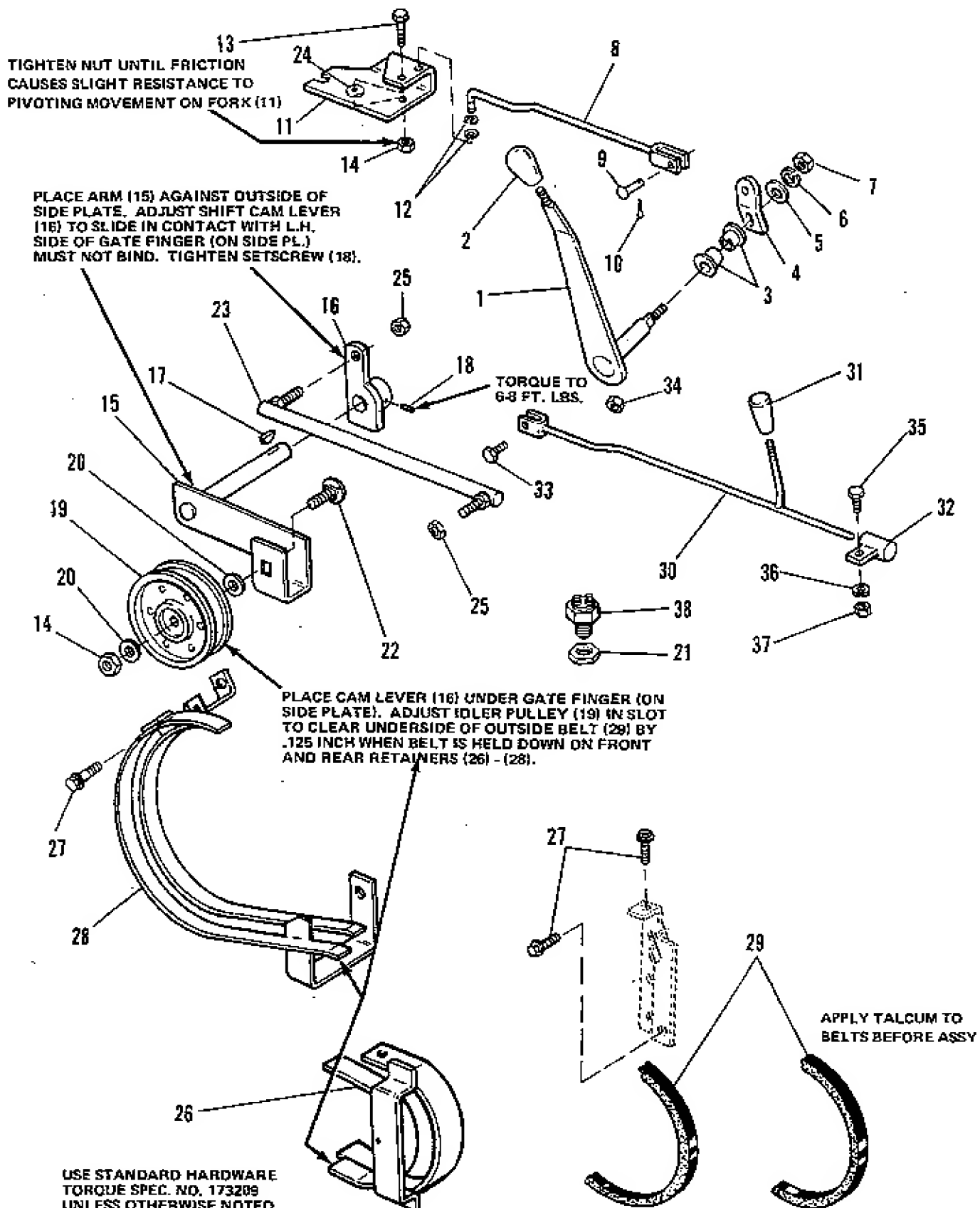
Use standard hardware torque Spec. No. 173209 unless otherwise noted.

#### THROTTLE ADJUSTMENT (7016)

1. Place throttle lever on dash in full throttle position—up and forward against stop.
2. Install end of throttle control cable wire into engine throttle control rod.
3. Raise engine throttle rod until lower adjusting nut is against stop.
4. Hold lower adjusting nut up against stop and secure cable clamp.
5. Move throttle control lever through full range and back to full throttle position to check adjustment.

#### THROTTLE ADJUSTMENT (7010)

1. Insert throttle cable wire into speed control bracket on engine.
2. With throttle control in full throttle position (lever up and forward against stop), and engine speed control bracket rotated towards the rear against the high speed stop, secure throttle cable in place with engine throttle cable clamp.
3. Move throttle control lever through full range and back to full throttle position to check adjustment.



## Drive &amp; Clutch Group (7010 &amp; 7016)

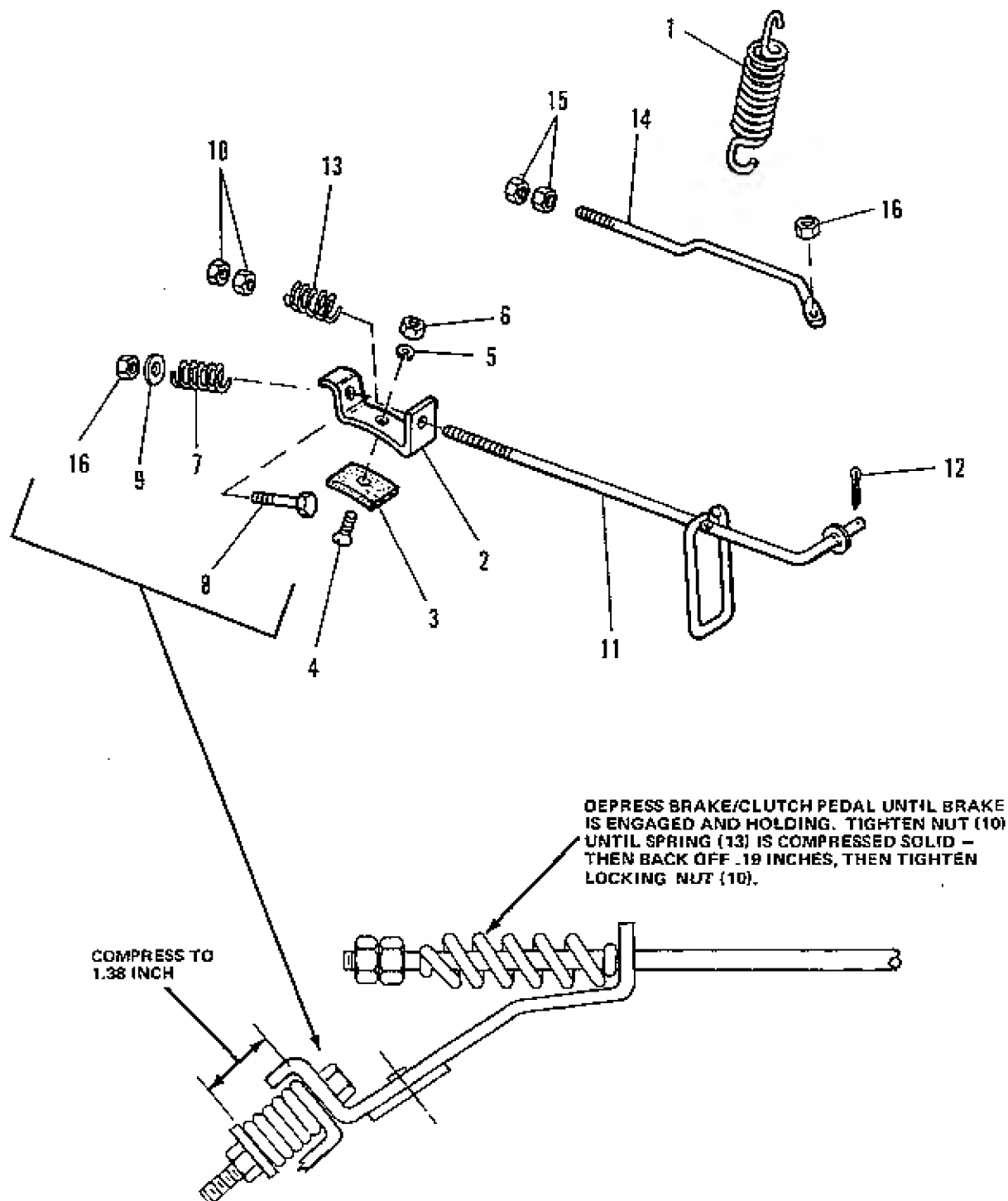
**Simplicity**

10/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656454	1	(00000)-( )	CONTROL LEVER ASSEMBLY
2	172038	1	(00000)-( )	KNOB
3	102419	2	(00000)-( )	BUSHING, Flanged
4	164123	1	(00000)-( )	LINK
5	917378	1	(00000)-( )	WASHER, 3/8
6	916965	1	(00000)-( )	LOCKWASHER, 3/8
7	916950	1	(00000)-( )	NUT, Hex Full, 3/8-16
8	1656457	1	(00000)-( )	CONTROL ROD ASSEMBLY
9	1608702	1	(00000)-( )	PIN
10	918447	1	(00000)-( )	PIN, Cotter, 3/32 x 3/4
11	1606567	1	(00000)-( )	FORK, Shift
12	923724	2	(00000)-( )	RING, E
13	923701	1	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 2
14	930651	2	(00000)-( )	LOCKNUT, Hex, 3/8-16
15	1607025	1	(00000)-( )	IDLER ARM ASSEMBLY
16	1607026	1	(00000)-( )	CAM SHIFT LEVER ASSEMBLY
17	905121	1	(00000)-( )	KEY, Woodruff, No. 5 1/8 x 5/8
18	928804	1	(00000)-( )	SETSCREW, Sq. Hd., 1/4-20 x 1/4
19	1606554	1	(00000)-( )	PULLEY (Idler)
20	917642	2	(00000)-( )	WASHER, 5/16
21	930647	1	(00000)-( )	NUT, Pal
22	922109	1	(00000)-( )	BOLT, Carriage, 3/8-16 x 1-1/4
23	1606568	1	(00000)-( )	JOINT, Ball, Dbl. End
24	1657516	1	(00000)-( )	WASHER
25	926591	2	(00000)-( )	LOCKNUT, Hex, Full, 5/16-24
26	1657077	1	(00000)-( )	BELT RETAINER ASSY
27	924856	3	(00000)-( )	SCREW, Taptite, 5/16-18 x 1/2
28	1657548	1	(00000)-( )	REAR RETAINER ASSY
29	1607967	2	(00000)-( )	BELT, "V", Drive
30	171559	1	(00000)-( )	SHIFT ROD ASSY
31	164180	1	(00000)-( )	HANDLE, Shift Rod
32	157020	1	(00000)-( )	SHIFT ROD GUIDE ASSY
33	930570	1	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
34	923362	1	(00000)-( )	NUT, Hex, Full, 5/16-18
35	923341	1	(00000)-( )	CAPSCREW, Hex Hd., 1/4-20 x 3/4
36	916964	1	(00000)-( )	LOCKWASHER, 1/4
37	916622	1	(00000)-( )	NUT, Hex, Full, 1/4-20
38	177522	1	(00000)-( )	SWITCH, Interlock

**ADJUST TRANSMISSION BRAKE AS FOLLOWS:**

- A. PLACE .030 SHIM BETWEEN CAM LEVER (REFER TO 981323) AND GATE FINGER (ON SIDE PLATE).
- B. ADJUST AND SET PARKING BRAKE (REFER TO 981139).
- C. RUN BRAKE ROD ADJUSTING NUT (15) IN UNTIL IT CONTACTS BRAKE BAND (FINGER TIGHT) PLUS 1/3 TURN (2 FLATS ON NUT), THEN TIGHTEN LOCKING NUT (15).



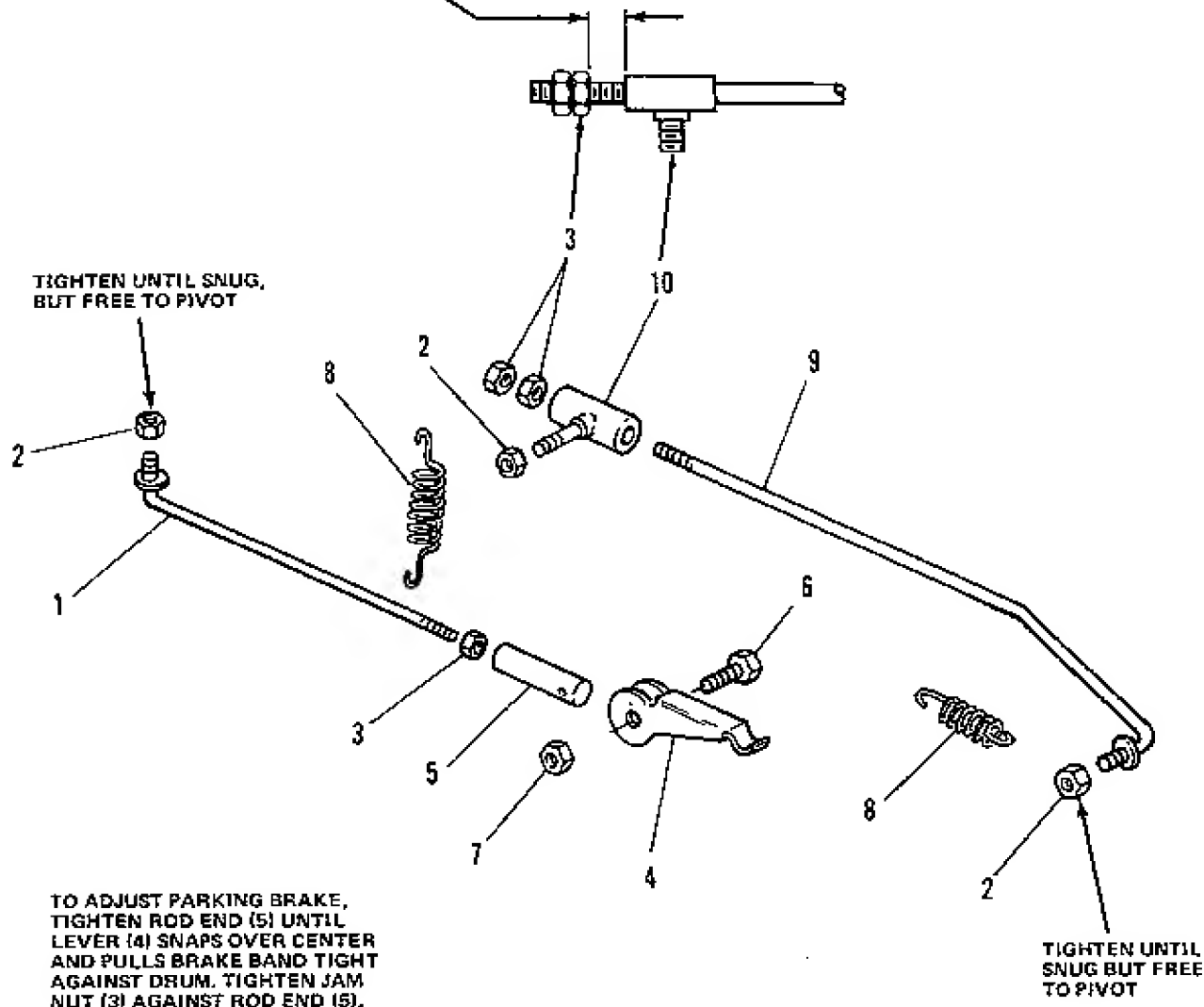
## Brake Group (7010 &amp; 7016)

**Simplicity**

10/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	174896	1	(00000)-( )	SPRING
2	1657545	1	(00000)-( )	STRAP, Pulley Brake
3	1610590	1	(00000)-( )	BRAKE, Sheave
4	926267	1	(00000)-( )	SCREW, Machine, No. 10-24 x 5/8
5	917365	1	(00000)-( )	LOCKWASHER, No. 10
6	916621	1	(00000)-( )	NUT, Hex, Full, No. 10-24
7	1610703	1	(00000)-( )	SPRING
8	919355	1	(00000)-( )	CAPSCREW, 5/16-18 x 2-1/4
9	917377	1	(00000)-( )	WASHER, 1/4 Std.
10	917372	2	(00000)-( )	NUT, Hex, Full, 5/16-18
11	1608621	1	(00000)-( )	PULLEY BRAKE ROD ASSEMBLY
12	919313	1	(00000)-( )	PIN, Cotter, 3/32 x 1/2
13	157041	1	(00000)-( )	SPRING
14	172722	1	(00000)-( )	ROD, Brake
15	916950	2	(00000)-( )	NUT, Hex, Full, 3/8-16
16	923362	2	(00000)-( )	LOCKNUT, Hex, 5/16-18

AFTER IDLER TO BELT ADJUSTMENT IS COMPLETE, (REFER TO 981323) SHIFT IDLER PULLEY TO HIGH RANGE BELT & ADJUST STOP NUTS (3) TO CLEAR ROD GUIDE (10) BY .375 INCH WHEN CLUTCH IS ENGAGED.

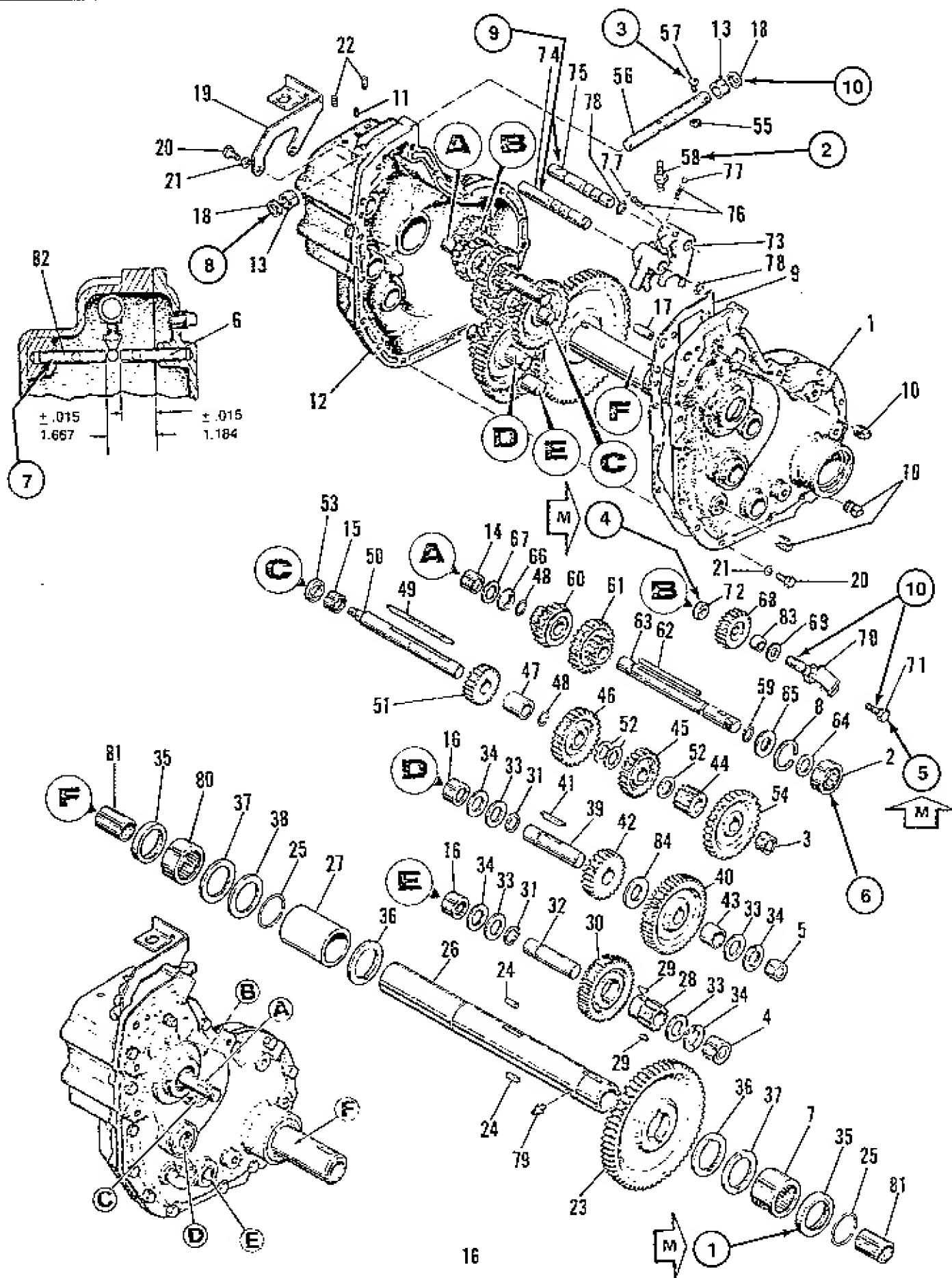




**Brake Linkage Group (7010 & 7016)**

10/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	174708	1	(00000)-( )	PARKING BRAKE ROD ASSEMBLY
2	923362	3	(00000)-( )	LOCKNUT, Hex, .312-18
3	917372	3	(00000)-( )	NUT, Hex, Full, .312-18
4	172108	1	(00000)-( )	LEVER, Parking Brake
5	171994	1	(00000)-( )	END, Rod
6	926771	1	(00000)-( )	CAPSCREW, Hex Hd., .250-20 x 1.00
7	923358	1	(00000)-( )	LOCKNUT, Hex, .250-20
8	121037	2	(00000)-( )	SPRING
9	1656455	1	(00000)-( )	CLUTCH & BRAKE ROD ASSEMBLY
10	164094	1	(00000)-( )	ROD GUIDE ASSEMBLY



## Transmission Group (7010 &amp; 7016)

**Simplicity**

10/78

No.	No.	Qty.	Serial No.	Description
1	164226	1	(00000)-( )	COVER, Gear Case
2	108202	1	(00000)-( )	BEARING, Ball
3	154257	1	(00000)-( )	BEARING, Needle
4	154259	1	(00000)-( )	BEARING, Needle
5	154271	1	(00000)-( )	BEARING, Needle
6	154637	1	(00000)-( )	ROLL PIN ASSEMBLY
7	157520	1	(00000)-( )	BEARING, Needle
8	164064	1	(00000)-( )	RING, Retaining
9	164234	1	(00000)-( )	GASKET, Gear Case
10	901653	3	(00000)-( )	PLUG, Pipe, Sq. Hd., 3/8
11	118462	1	(00000)-( )	PLUG, Vent
12	157516	1	(00000)-( )	GEAR CASE ASSEMBLY
13	121084	2	(00000)-( )	SPACER, Diff.
14	154257	1	(00000)-( )	BEARING, Needle
15	154258	1	(00000)-( )	BEARING, Needle
16	154259	2	(00000)-( )	BEARING, Needle
17	918113	2	(00000)-( )	PIN, Spring, 3/8 x 1
18	157619	2	(00000)-( )	SEAL, Oil
19	164251	1	(00000)-( )	SUPPORT, Switch
20	921333	15	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 1
21	917356	16	(00000)-( )	LOCKWASHER, 5/16
22	917231	2	(00000)-( )	SETSCREW, Soc. Hd., 5/16-18 x 1/2
23	154095	1	(00000)-( )	GEAR, Drive
24	154096	2	(00000)-( )	KEY
25	154268	2	(00000)-( )	RING, Snap
26	164222	1	(00000)-( )	TUBE & BUSHING ASSEMBLY
27	154098	1	(00000)-( )	SPACER, Axle Tube
28	154092	1	(00000)-( )	PINION, 3rd Interm.
29	910224	2	(00000)-( )	KEY, Woodruff, No. 5
30	164051	1	(00000)-( )	GEAR, 3rd Interm.
31	154266	2	(00000)-( )	RING, Retaining
32	154091	1	(00000)-( )	SHAFT, 3rd Interm.
33	172978	4	(00000)-( )	WASHER
34	172979	4	(00000)-( )	WASHER
35	154269	2	(00000)-( )	SEAL
36	154130	2	(00000)-( )	WASHER, Axle Tube
37	172977	2	(00000)-( )	WASHER, Axle Tube
38	154097	1	(00000)-( )	WASHER, Axle Tube
39	154086	1	(00000)-( )	SHAFT, 2nd Interm.
40	154089	1	(00000)-( )	GEAR, 2nd Interm.
41	154267	1	(00000)-( )	KEY
42	164062	1	(00000)-( )	PINION, 2nd Interm.
43	154090	1	(00000)-( )	SPACER
44	154079	1	(00000)-( )	PINION, 1st Interm.
45	154080	1	(00000)-( )	PINION, Driver III
46	154081	1	(00000)-( )	GEAR, Driver II
47	154082	1	(00000)-( )	SPACER
48	154264	2	(00000)-( )	RING, Retaining
49	154354	1	(00000)-( )	KEY
50	157290	1	(00000)-( )	SHAFT, 1st Interm.

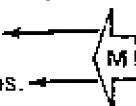
NOTE: PART REF. NO. 51-85 CONTINUED  
ON THE FOLLOWING PAGE.

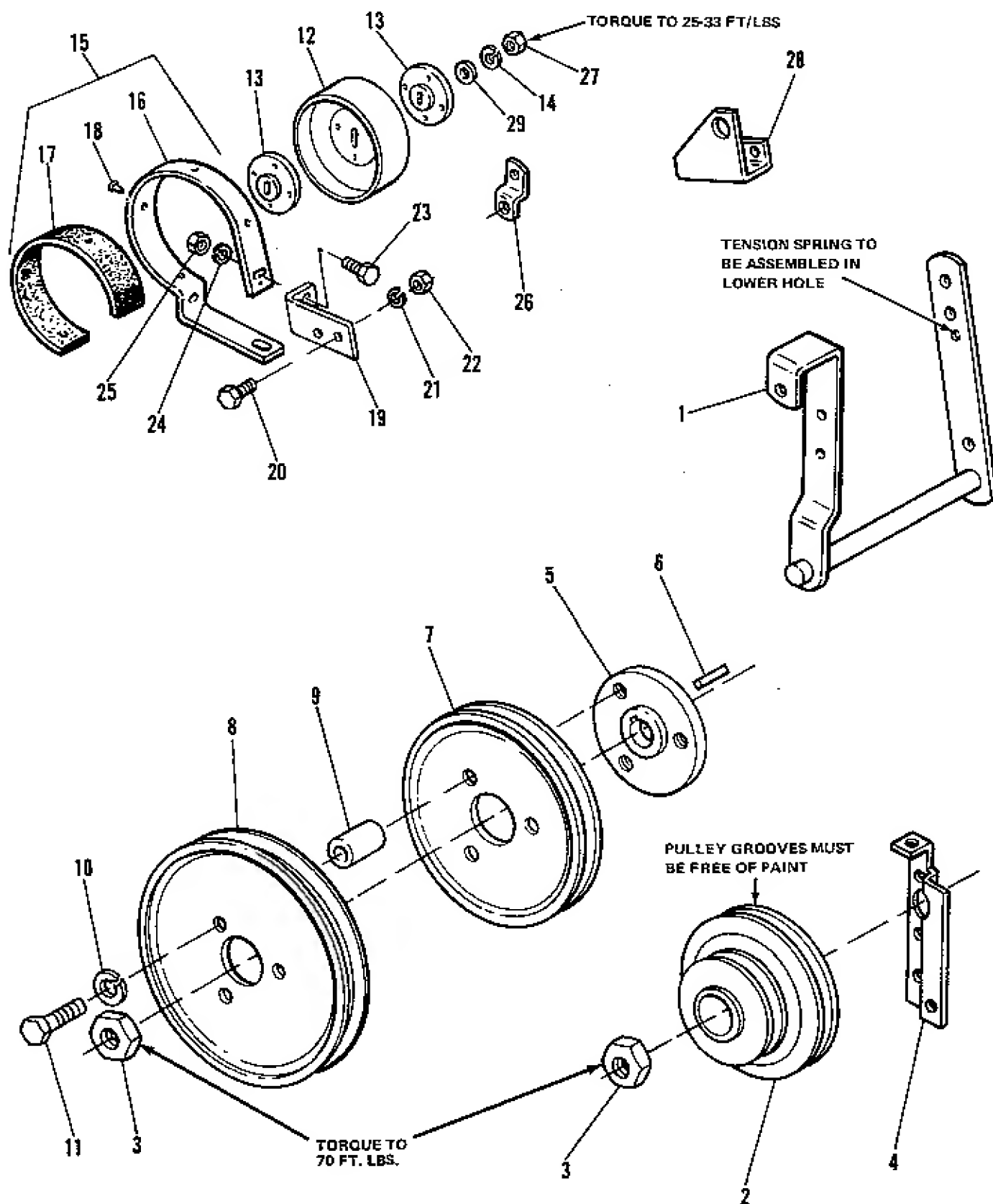
Ref. No.	Part No.	Qty.	Serial No.	Description
51	174228	1	{00000}-{ }	PINTON, Rev. & IV
52	8061012	3	{00000}-{ }	WASHER
53	154263	1	{00000}-{ }	SEAL, Oil
54	154078	1	{00000}-{ }	GEAR, Driven I
55	920161	1	{00000}-{ }	NUT, Jam Hex, 5/16-18
56	1665525	1	{00000}-{ }	ROD, Shift
57	172241	1	{00000}-{ }	BOLT CARRIAGE, Special
58	172779	1	{00000}-{ }	STEM, Shift
59	118134	1	{00000}-{ }	RING, Retaining
60	154072	1	{00000}-{ }	PINION ASSEMBLY REV. & II
61	154075	1	{00000}-{ }	PINION ASSEMBLY I & II
62	164294	1	{00000}-{ }	KEY
63	174338	1	{00000}-{ }	SHAFT, Pulley
64	1664241	1	{00000}-{ }	WASHER
65	154462	1	{00000}-{ }	WASHER
66	172981	1	{00000}-{ }	WASHER
67	172982	1	{00000}-{ }	WASHER
68	154087	1	{00000}-{ }	GEAR, Rev.
69	154325	1	{00000}-{ }	WASHER
70	154352	1	{00000}-{ }	REV. GEAR PIN ASSEMBLY
71	928727	1	{00000}-{ }	CAPSCREW, Flange, Whiz, 3/8-16 x 1-1/4
72	930245	1	{00000}-{ }	LOCKNUT, Hex, 1/2-20
73	154069	2	{00000}-{ }	FORK, Shift
74	154067	1	{00000}-{ }	SHAFT, Shifter
75	154068	1	{00000}-{ }	SHAFT, Shifter, Hi-Lo
76	154323	2	{00000}-{ }	SPRING
77	905359	2	{00000}-{ }	BALL, Shiftlock
78	8061048	2	{00000}-{ }	RING, Retaining
79	914687	1	{00000}-{ }	FITTING, Grease
80	157519	1	{00000}-{ }	BEARING, Needle
81	1653120	2	{00000}-{ }	BUSHING
82	154538	1	{00000}-{ }	ROLL PIN ASSY
83	154084	1	{00000}-{ }	SPACER, Rev. Gear
84	154038	1	{00000}-{ }	WASHER
85	921221	1	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2

NOTE: PARTS REF. NO. 1-50 FOUND ON  
PRECEDING PAGE.

## TRANSMISSION GROUP

1. Grease inside lips of all seals before installation. Install seals with spring toward inside.
2. Apply Loctite and torque to 18-23 Ft. Lbs.
3. Adjust carriage bolt to proper height so that safety switch will make contact when transmission is in neutral position.
4. Torque to 55 Ft. Lbs.
5. Torque to 18-23 Ft. Lbs.
6. Install bearing with land riding seal facing in.
7. Install pin with groove down.
8. Install seal with lip in, grease inside of lip before installation.
9. Apply sealer when assembling shift fork rails into transmission gear case.
10. Seal holes in transmission gear case with sealer when assembling capscrews.
11. Use Standard Hardware Torque Spec. Chart unless otherwise noted.





USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209  
UNLESS OTHERWISE NOTED.

## Transmission Brake, Drive, &amp; Control Group (7010 &amp; 7016)

**Simplicity**

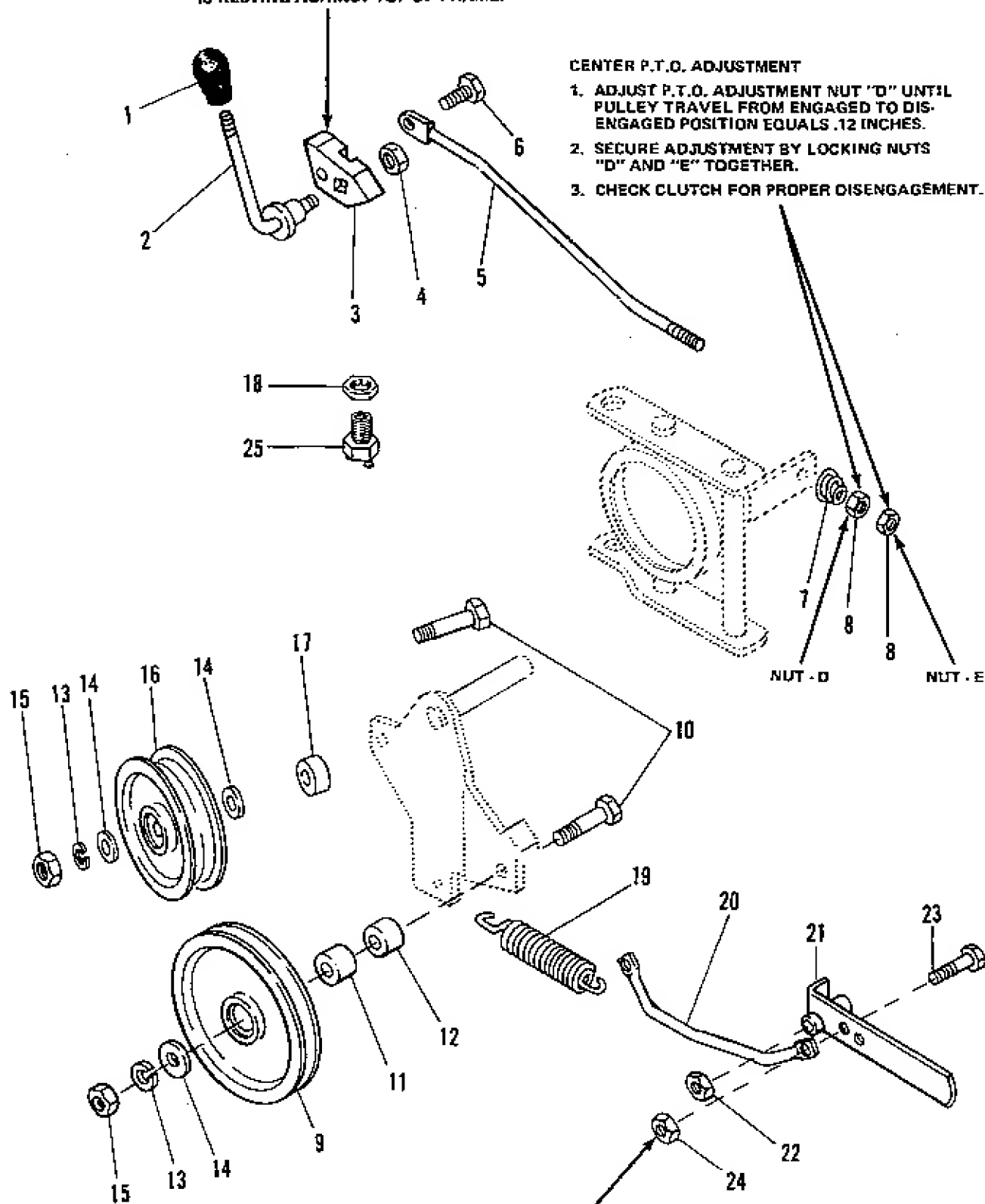
10/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656459	1	{00000}-{ }	PIVOT LEVER ASSEMBLY
2	1608322	1	{00000}-{ }	FRONT PULLEY ASSEMBLY
3	922133	2	{00000}-{ }	LOCKNUT, Jam, 3/4-16
4	1608304	1	{00000}-{ }	SUPPORT, Belt Retainer
5	1608309	1	{00000}-{ }	HUB, Pulley
6	905123	1	{00000}-{ }	KEY, Woodruff, No. 9
7	1608122	1	{00000}-{ }	SHEAVE
8	174420	1	{00000}-{ }	SHEAVE
9	1608310	3	{00000}-{ }	SPACER
10	917356	3	{00000}-{ }	LOCKWASHER, 5/16
11	919354	3	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 2
12	157282	1	{00000}-{ }	DRUM, Brake
13	158196	2	{00000}-{ }	WASHER, Special
14	918199	1	{00000}-{ }	LOCKWASHER, 7/16
15	171497	1	{00000}-{ }	BRAKE BAND ASSEMBLY
16		1	{00000}-{ }	BAND, Brake (See Ref. No. 15)
17	154133	1	{00000}-{ }	LINING, Brake
18	928308	4	{00000}-{ }	RIVET, Tubular
19	184113	1	{00000}-{ }	BRACKET, Brake Band
20	920415	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
21	916965	2	{00000}-{ }	LOCKWASHER, 3/8
22	916950	2	{00000}-{ }	NUT, Hex Full, 3/8-16
23	916019	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/4-20 x 3/4
24	916964	2	{00000}-{ }	LOCKWASHER, 1/4
25	916622	2	{00000}-{ }	NUT, Hex Full, 1/4-20
26	174893	1	{00000}-{ }	CLIP, Spring
27	918213	1	{00000}-{ }	NUT, Hex Full, 7/16-14
28	1607027	1	{00000}-{ }	BEARING, Idler Pivot
29	917378	1	{00000}-{ }	WASHER, 3/8

ADJUST P.T.O. INTERLOCK SWITCH 177522  
TO MAKE CONTACT WHEN LEVER 173991  
IS RESTING AGAINST TOP OF FRAME.

#### CENTER P.T.O. ADJUSTMENT

1. ADJUST P.T.O. ADJUSTMENT NUT "D" UNTIL PULLEY TRAVEL FROM ENGAGED TO DIS-ENGAGED POSITION EQUALS .12 INCHES.
2. SECURE ADJUSTMENT BY LOCKING NUTS "D" AND "E" TOGETHER.
3. CHECK CLUTCH FOR PROPER DISENGAGEMENT.

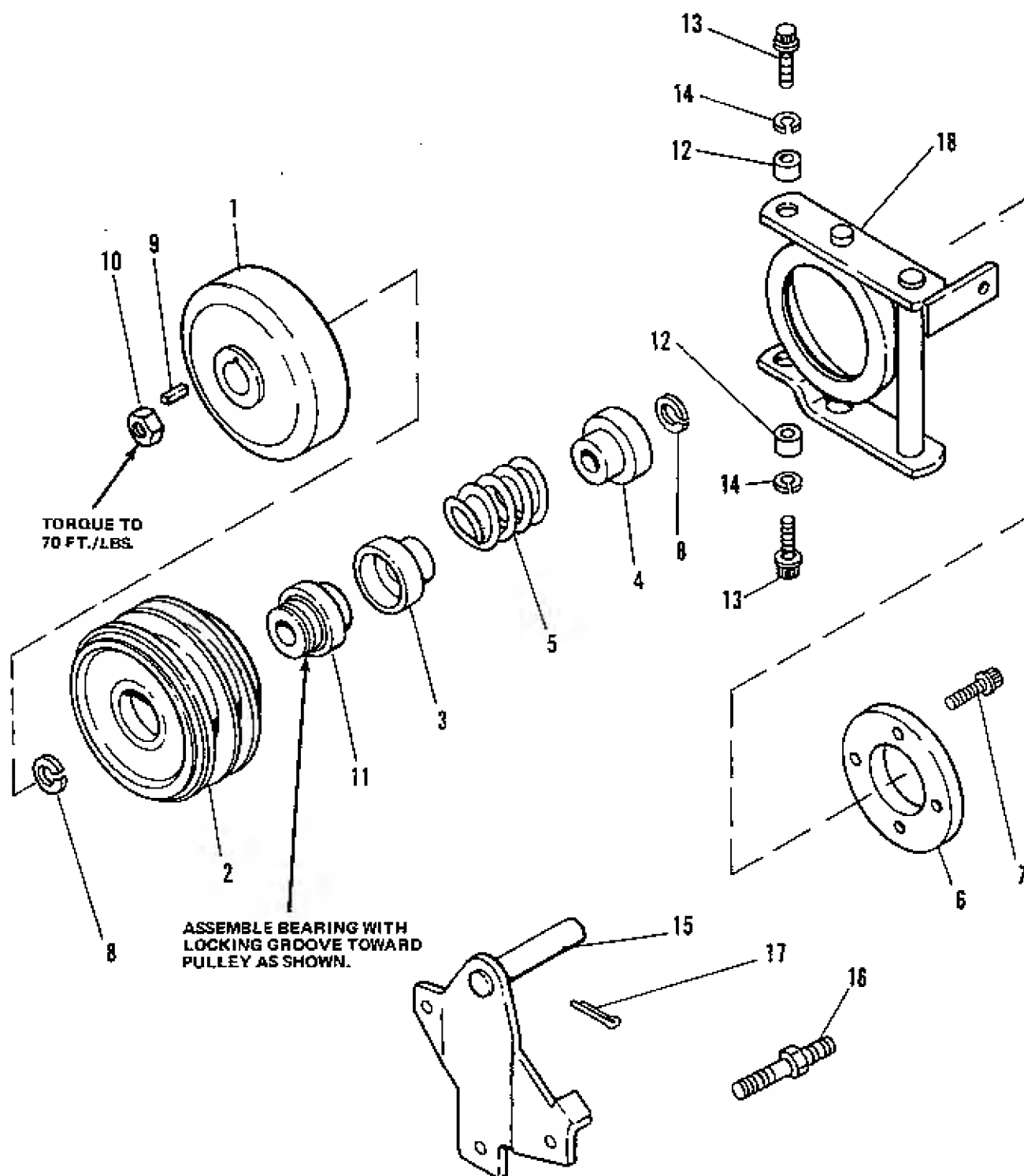


USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209  
UNLESS OTHERWISE NOTED.

HANDLE ASSEMBLY MUST PIVOT  
FREELY AFTER NUT IS TIGHTENED



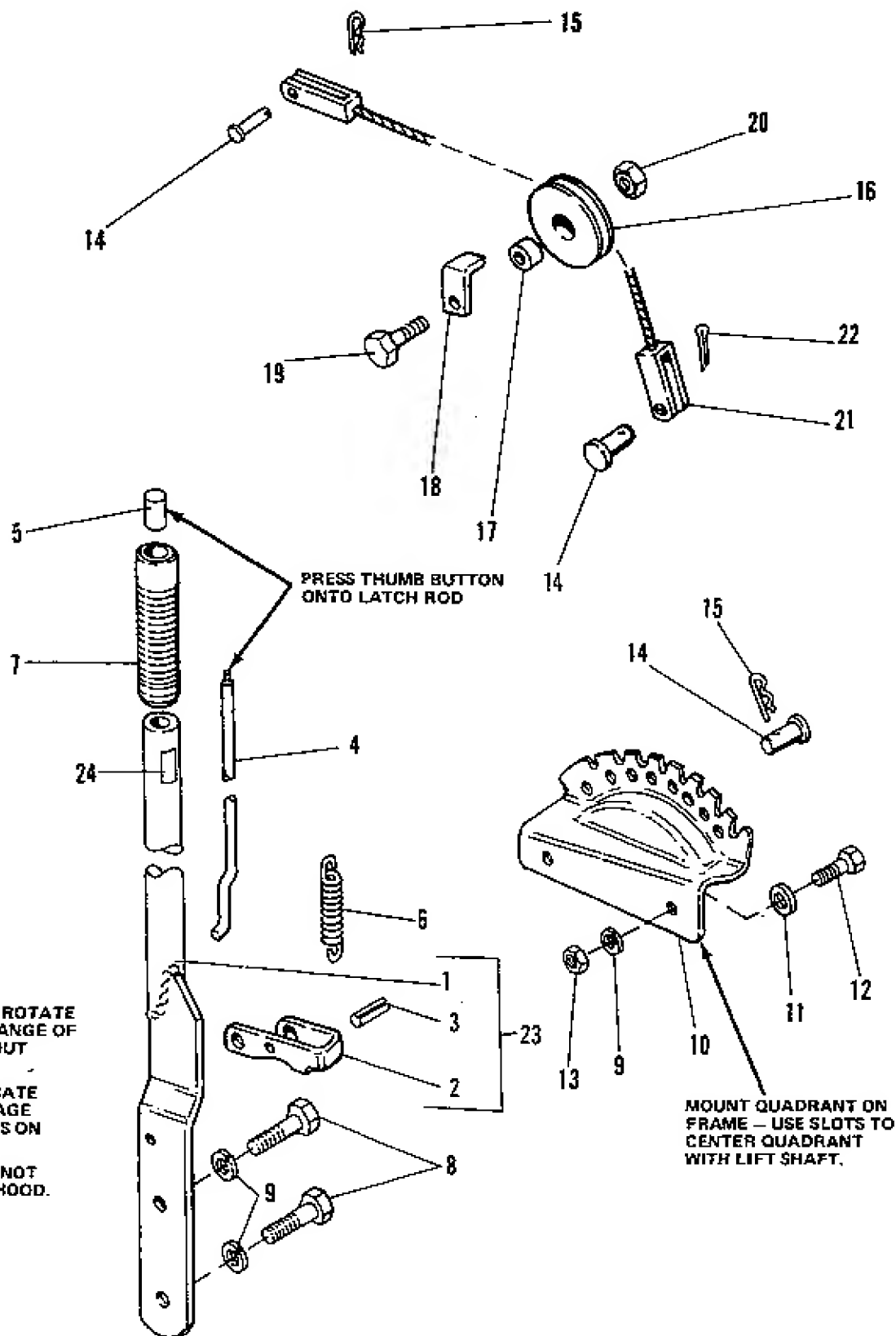
Ref. No.	Part No.	Qty.	Serial No.	Description
1	172038	1	(00000)-( )	KNOB
2	174664	1	(00000)-( )	HANDLE, Clutch P.T.O.
3	173991	1	(00000)-( )	LEVER
4	930651	1	(00000)-( )	LOCKNUT, Hex, 3/8-16
5	173988	1	(00000)-( )	CONTROL ROD ASSEMBLY
6	174686	1	(00000)-( )	CAPSCREW, Special
7	175316	1	(00000)-( )	SPRING
8	917372	2	(00000)-( )	NUT, Hex, Full, 5/16-18
9	173982	1	(00000)-( )	PULLEY
10	923701	2	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 2
11	170291	1	(00000)-( )	SPACER
12	172329	1	(00000)-( )	SPACER
13	916965	2	(00000)-( )	LOCKWASHER, 3/8
14	917642	3	(00000)-( )	WASHER, 5/16
15	916950	2	(00000)-( )	NUT, Hex, Full, 3/8-16
16	1657712	1	(00000)-( )	PULLEY
17	157081	1	(00000)-( )	SPACER
18	930647	1	(00000)-( )	NUT, Pat
19	157262	1	(00000)-( )	SPRING, Tension
20	164047	1	(00000)-( )	ROD, Tension
21	164155	1	(00000)-( )	HANDLE ASSEMBLY
22	924058	1	(00000)-( )	LOCKNUT, Hex, 7/16-14
23	921332	1	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 3/4
24	923362	1	(00000)-( )	LOCKNUT, Hex, 5/16-18
25	177522	1	(00000)-( )	SWITCH, Interlock



*P.T.O. Cone Clutch Group (7010 & 7016)***Simplicity**

10/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	174862	1	(00000)-( )	CLUTCH PLATE ASSEMBLY
2	1650304	1	(00000)-( )	PULLEY
3	1650252	1	(00000)-( )	GUIDE, Spring
4	1650264	1	(00000)-( )	GUIDE, Spring
5	171772	1	(00000)-( )	SPRING
6	173957	1	(00000)-( )	DISC, Brake
7	920036	4	(00000)-( )	CAPSCREW, Skt. Hd., 1/4-20 x 5/8
8	172206	2	(00000)-( )	RING, Retaining
9	905850	1	(00000)-( )	KEY
10	922133	1	(00000)-( )	LOCKNUT, Hex, 3/4 x 16
11	1650254	1	(00000)-( )	BEARING ASSEMBLY
12	171371	2	(00000)-( )	SPACER
13	1651450	2	(00000)-( )	SCREW, Thd. Forming
14	917356	2	(00000)-( )	LOCKWASHER, 5/16
15	174455	1	(00000)-( )	PIVOT ARM ASSEMBLY
16	157273	1	(00000)-( )	STUD
17	918459	1	(00000)-( )	PIN, Cotter, 3/16 x 1-1/2
18	1650906	1	(00000)-( )	PIVOT ASSEMBLY



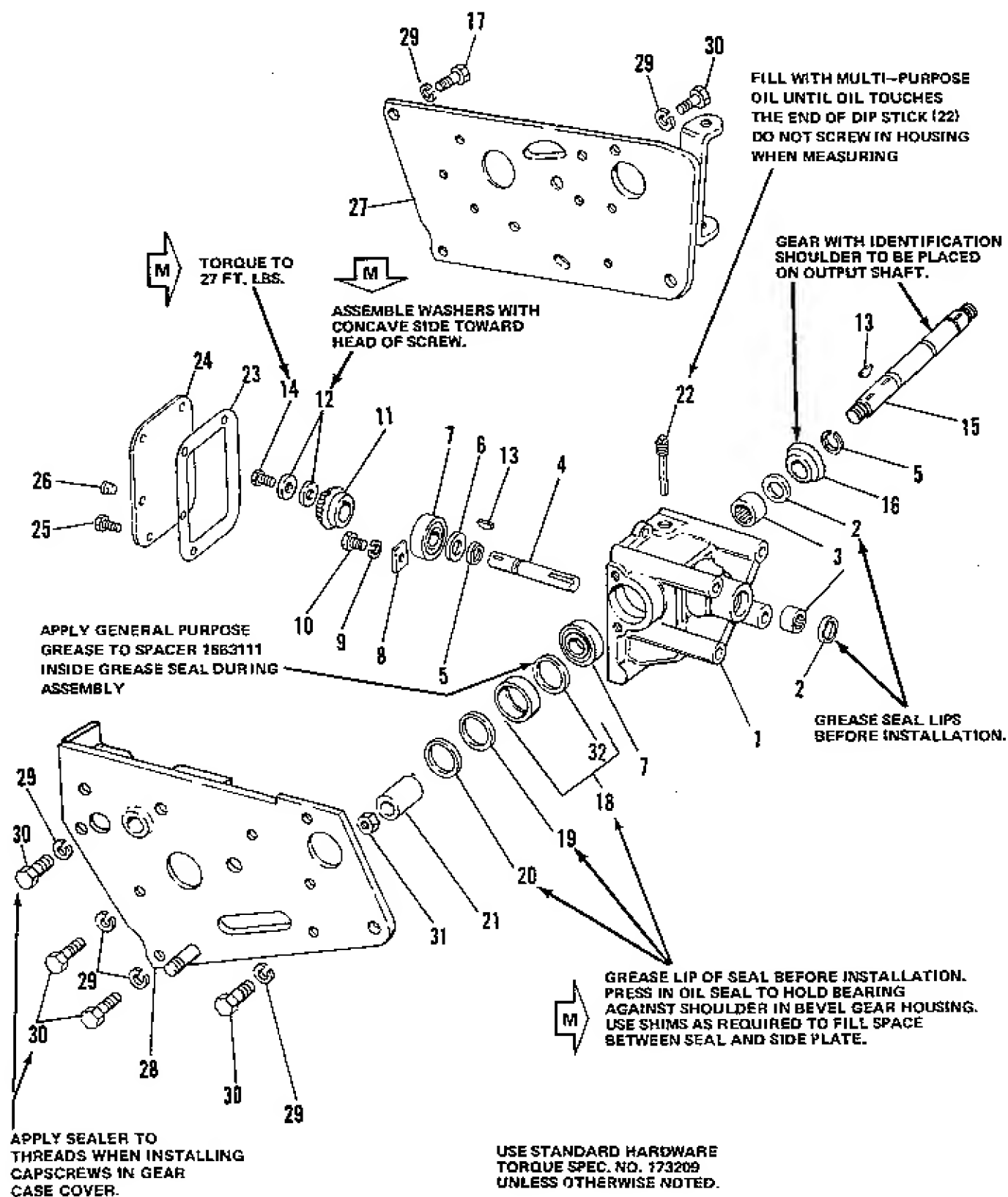
USE STD. HARDWARE TORQUE SPEC NO.  
173209 UNLESS OTHERWISE NOTED

## Lift Lever &amp; Cable Group (7010 &amp; 7016)

**Simplicity**

10/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1651389	1	(00000)-( )	LIFT LEVER ASSEMBLY
2	173039	1	(00000)-( )	LATCH, Lift Lever
3	918390	1	(00000)-( )	PIN, Spring, 3/8 x 1-1/4
4	1651197	1	(00000)-( )	ROD, Latch
5	1650157	1	(00000)-( )	BUTTON
6	1650155	1	(00000)-( )	SPRING
7	156209	1	(00000)-( )	GRIP
8	923490	2	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 1
9	916965	4	(00000)-( )	LOCKWASHER, 3/8
10	171589	1	(00000)-( )	QUADRANT
11	917642	2	(00000)-( )	WASHER, 5/16
12	908127	2	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 3/4
13	916950	2	(00000)-( )	NUT, Hex., Full, 3/8-16
14	153058	3	(00000)-( )	PIN
15	918196	2	(00000)-( )	CLIP, Spring
16	172725	1	(00000)-( )	PULLEY
17	157081	1	(00000)-( )	SPACER
18	174723	1	(00000)-( )	GUARD, Cable
19	108418	1	(00000)-( )	SCREW, Special
20	928731	1	(00000)-( )	LOCKNUT, Hex., Jam, 3/8-16
21	174085	1	(00000)-( )	LIFT CABLE ASSY
22	918447	1	(00000)-( )	PIN, Cotter, 3/32 x 7/8
23	1654152	1	(00000)-( )	LIFT LEVER SUB ASSY.
24	175216	1	(00000)-( )	DECAL, Lift Lever

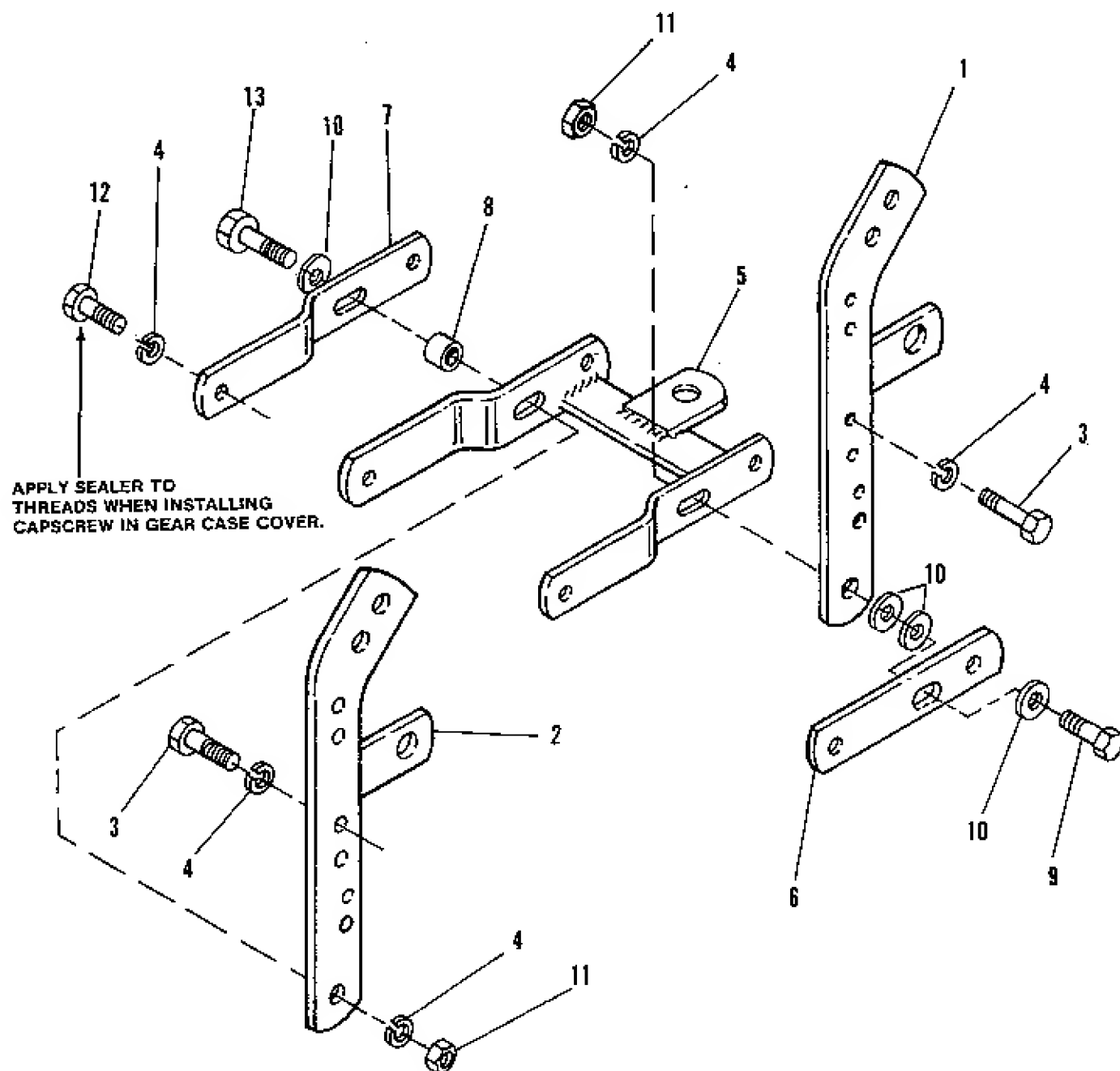


## Bevel Gear &amp; Side Plate Group (7010 &amp; 7016)

**Simplicity**

10/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	171797	1	{00000}-(-)	HOUSING, Bevel Gear
2	118117	2	{00000}-(-)	SEAL, Oil
3	154279	2	{00000}-(-)	BEARING, Needle
4	172750	1	{00000}-(-)	SHAFT, Driver
5	172206	2	{00000}-(-)	RING, Retaining
6	172753	1	{00000}-(-)	WASHER
7	172256	2	{00000}-(-)	BEARING, Ball
8	154040	1	{00000}-(-)	PLATE, Bearing Clamp
9	917356	1	{00000}-(-)	LOCKWASHER, 5/16
10	925205	1	{00000}-(-)	CAPSCREW, Hex Hd., 5/16-18 x 5/8
11	172752	1	{00000}-(-)	GEAR, Bevel Driver
12	177649	2	{00000}-(-)	WASHER
13	905123	2	{00000}-(-)	KEY, Woodruff, No. 9
14	154281	1	{00000}-(-)	CAPSCREW, Hex Hd., 5/16-18 x 3/4
15	1657178	1	{00000}-(-)	SHAFT, Driven
16	171796	1	{00000}-(-)	GEAR, Bevel Driven
17	920677	2	{00000}-(-)	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
18	1685088	1	{00000}-(-)	SEAL, Oil Kit, (Replaces 171787)
19	171791	1	{00000}-(-)	SHIM
20	171790	5	{00000}-(-)	SHIM
21	171792	1	{00000}-(-)	SPACER
22	178105	1	{00000}-(-)	PLUG ASSY
23	154282	1	{00000}-(-)	GASKET
24	178104	1	{00000}-(-)	COVER
25	930626	6	{00000}-(-)	CAPSCREW, Hex, 1/4-20 x 5/8
26	901652	1	{00000}-(-)	PLUG, Pipe
27	174829	1	{00000}-(-)	PLATE ASSY, Side, L.H.
28	1606609	1	{00000}-(-)	PLATE ASSY, Side, R.H.
29	918199	12	{00000}-(-)	LOCKWASHER, 7/16
30	920676	10	{00000}-(-)	CAPSCREW, Hex Hd., 7/16-14 x 1
31	922123	1	{00000}-(-)	LOCKNUT, Hex, Jam, 3/4-16
32	1663111	1	{00000}-(-)	SPACER, Oil Seal



USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209  
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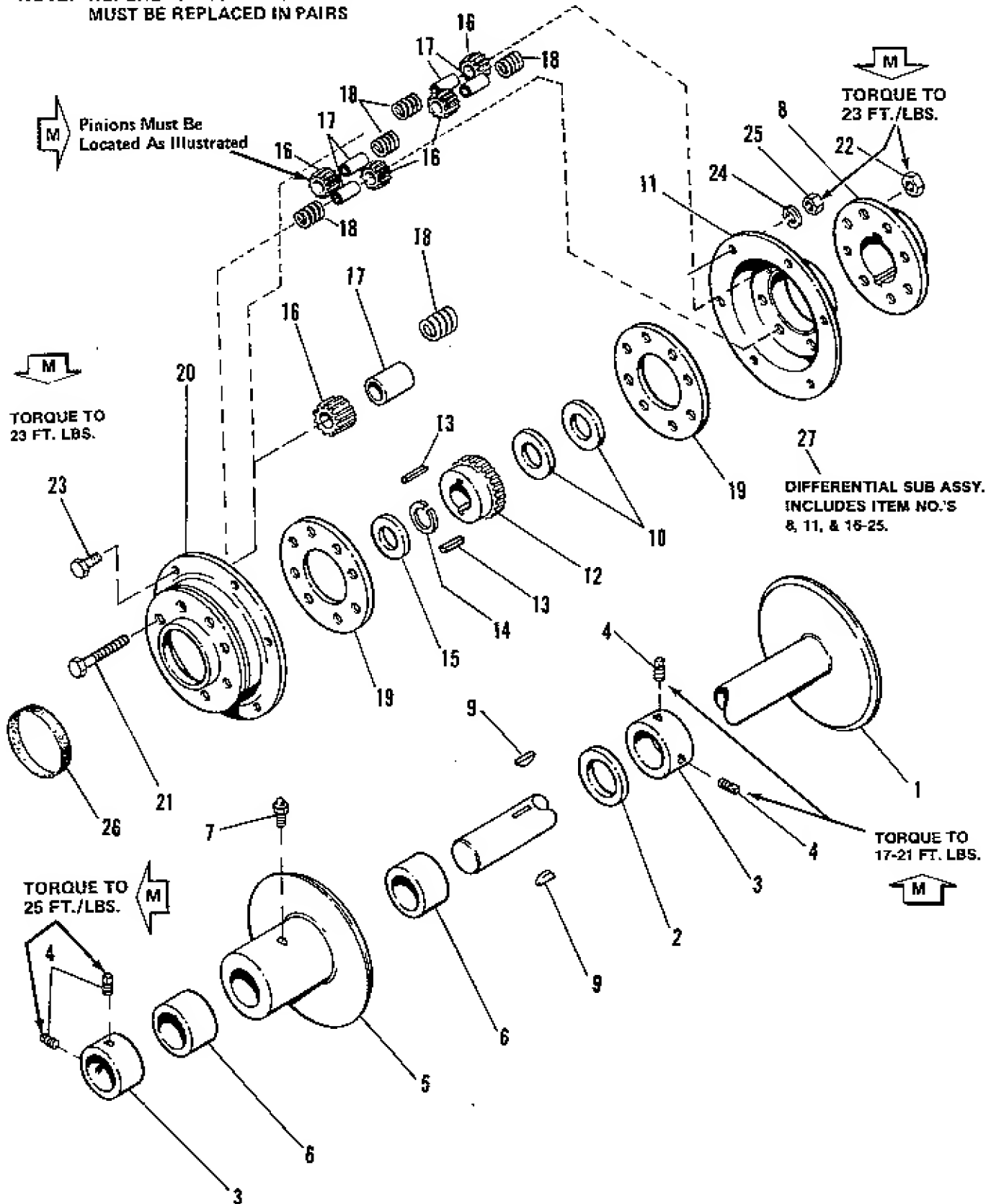
## Draw Bar Group (7010 &amp; 7016)

**Simplicity**

10/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	164304	1	(00000)-( )	L.H. ARM ASSEMBLY
2	164284	1	(00000)-( )	R.H. ARM ASSEMBLY
3	920676	4	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1
4	918199	8	(00000)-( )	LOCKWASHER, 7/16
5	154202	1	(00000)-( )	DRAWBAR ASSEMBLY
6	157091	1	(00000)-( )	BAR, Pull, L.H.
7	154203	1	(00000)-( )	BAR, Draw, R.H.
8	1608759	1	(00000)-( )	SPACER
9	921212	1	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1-1/2
10	918430	4	(00000)-( )	WASHER, 7/16
11	918213	2	(00000)-( )	NUT, Hex, 7/16-14
12	923027	1	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1-3/4
13	926109	1	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 2-1/4

NOTE: REFERENCE NUMBERS 11 AND 20  
MUST BE REPLACED IN PAIRS

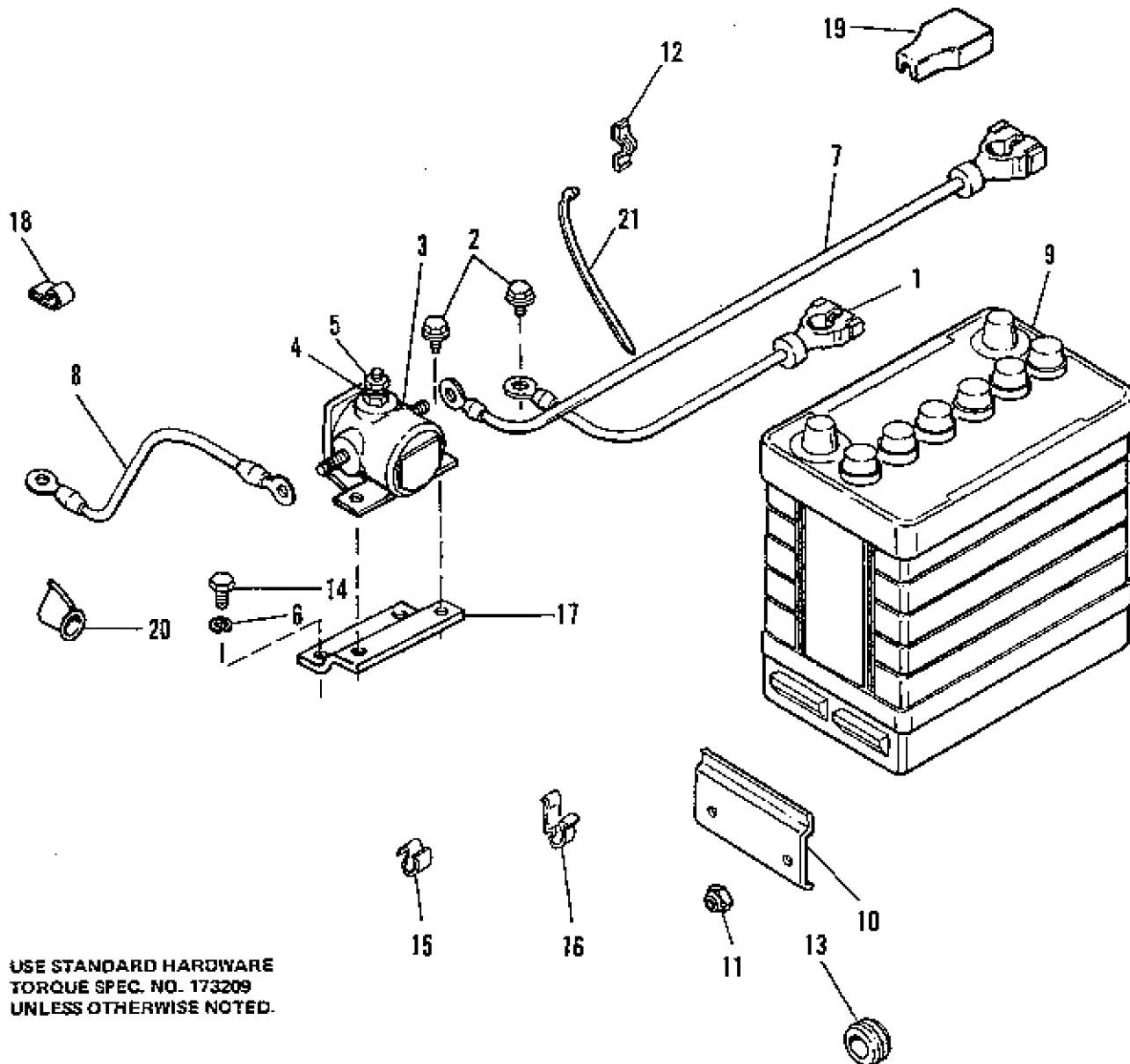


## Rear Axle &amp; Differential Group (7010 &amp; 7016)

**Simplicity**

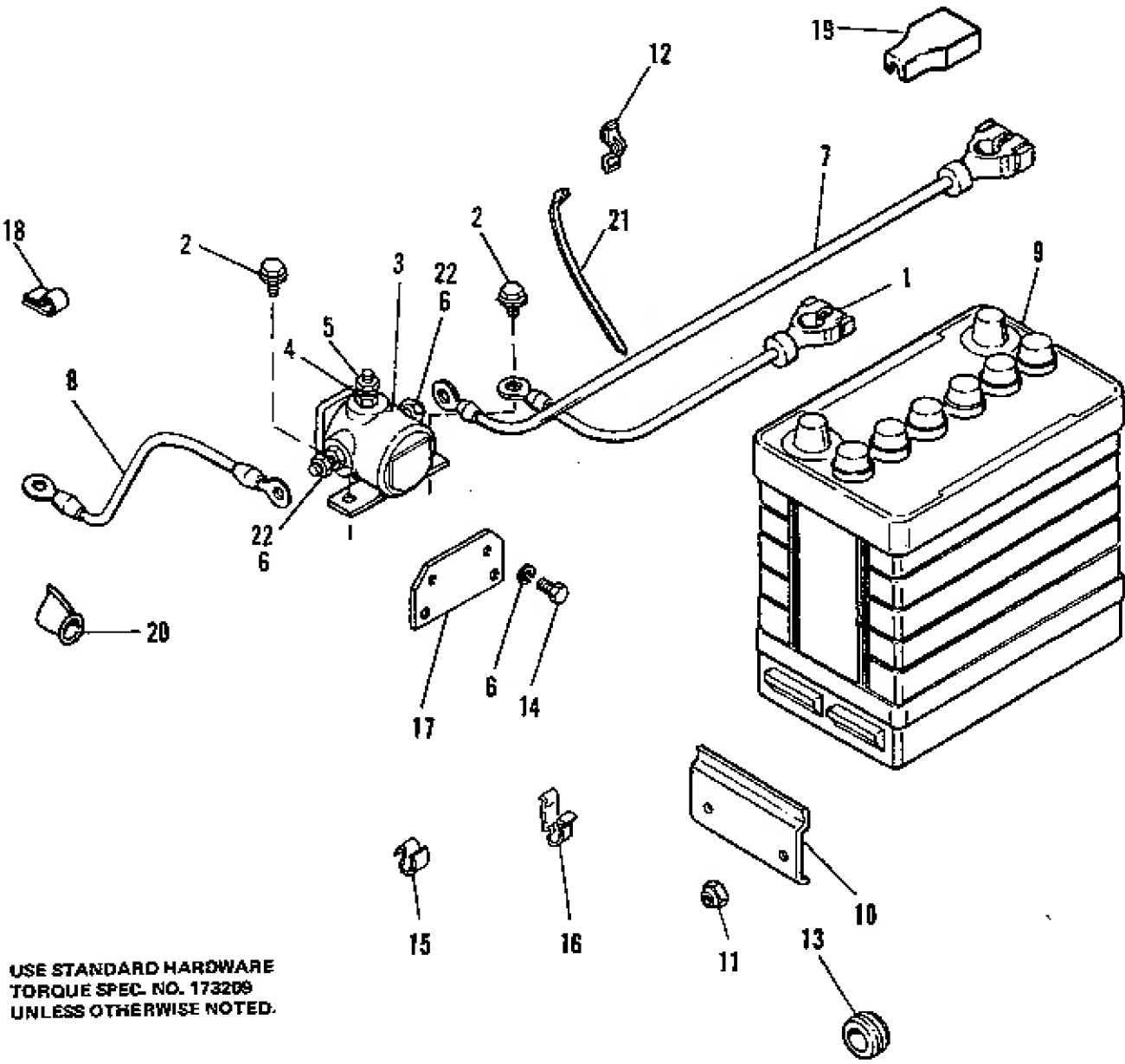
10/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	177900	1	{00000}-{ }	REAR AXLE ASSEMBLY
2	105050	1	{00000}-{ }	WASHER
3	154065	2	{00000}-{ }	COLLAR, Set
4	928709	4	{00000}-{ }	SETSCREW, Sq. Hd., 5/16-18 x 3/8
5	176945	1	{00000}-{ }	R.H. WHEEL HUB ASSEMBLY
6	153068	2	{00000}-{ }	BEARING
7	915019	1	{00000}-{ }	FITTING, Grease
8	164217	1	{00000}-{ }	CARRIER, Diff.
9	157120	2	{00000}-{ }	KEY, Drive
10	171515	2	{00000}-{ }	WASHER, Axle
11	171853	1	{00000}-{ }	COVER, Diff.
12	177041	1	{00000}-{ }	GEAR, Diff.
13	930671	2	{00000}-{ }	KEY, Hi Pro, 1/4 x 3/4
14	154291	1	{00000}-{ }	RING, Retaining
15	154277	1	{00000}-{ }	WASHER, Axle
16	158579	8	{00000}-{ }	PINION, Diff.
17	121083	8	{00000}-{ }	SPINDLE, Diff, Pinion
18	162085	8	{00000}-{ }	SPRING
19	171517	2	{00000}-{ }	RING, Spacer
20	171854	1	{00000}-{ }	COVER, Diff.
21	921972	8	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
22	930651	8	{00000}-{ }	NUT, Hex, 3/8-16
23	921959	6	{00000}-{ }	CAPSCREW, Hex, 1/4-20 x 5/8
24	916964	6	{00000}-{ }	LOCKWASHER, 1/4
25	916622	6	{00000}-{ }	NUT, Hex, 1/4-14
26	121190	1	{00000}-{ }	SEAL, Cover
27	1650519	1	{00000}-{ }	DIFFERENTIAL SUB ASSY. (Includes Item No.'s 8, 11, 16-25)



**USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209  
UNLESS OTHERWISE NOTED.**

Ref. No.	Part No.	Qty.	Serial No.	Description
1	171811	1	{00000}-{ }	CABLE, Battery to Ground
2	925003	2	{00000}-{ }	SCREW, Taptite, 1/4-20 x 1/2
3	122216	1	{00000}-{ }	SOLENOID
4	922711	1	{00000}-{ }	LOCKWASHER, No. 10
5	917415	1	{00000}-{ }	NUT, Hex, No. 10-32
6	917356	2	{00000}-{ }	LOCKWASHER, 5/16
7	1663318	1	{00000}-{ }	CABLE, Battery to Solenoid
8	1603195	1	{00000}-{ }	CABLE, Solenoid to Starter
9	1685058	1	{00000}-{ }	BATTERY
10	171225	1	{00000}-{ }	CLAMP
11	924433	2	{00000}-{ }	NUT, Elastic, 5/16-18
12	176912	1	{00000}-{ }	CLIP, Wire
13	172175	1	{00000}-{ }	GROMMET
14	921332	2	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 3/4
15	172434	2	{00000}-{ }	CLIP, Tinnermann
16	172436	2	{00000}-{ }	CLIP, Tinnermann
17	1663461	1	{00000}-{ }	BRACKET
18	106786	1	{00000}-{ }	CLIP, Cable
19	1657339	1	{00000}-{ }	PROTECTOR, Terminal
20	122023	1	{00000}-{ }	COVER, Terminal
21	1604414	1	{00000}-{ }	TIE, Wrap



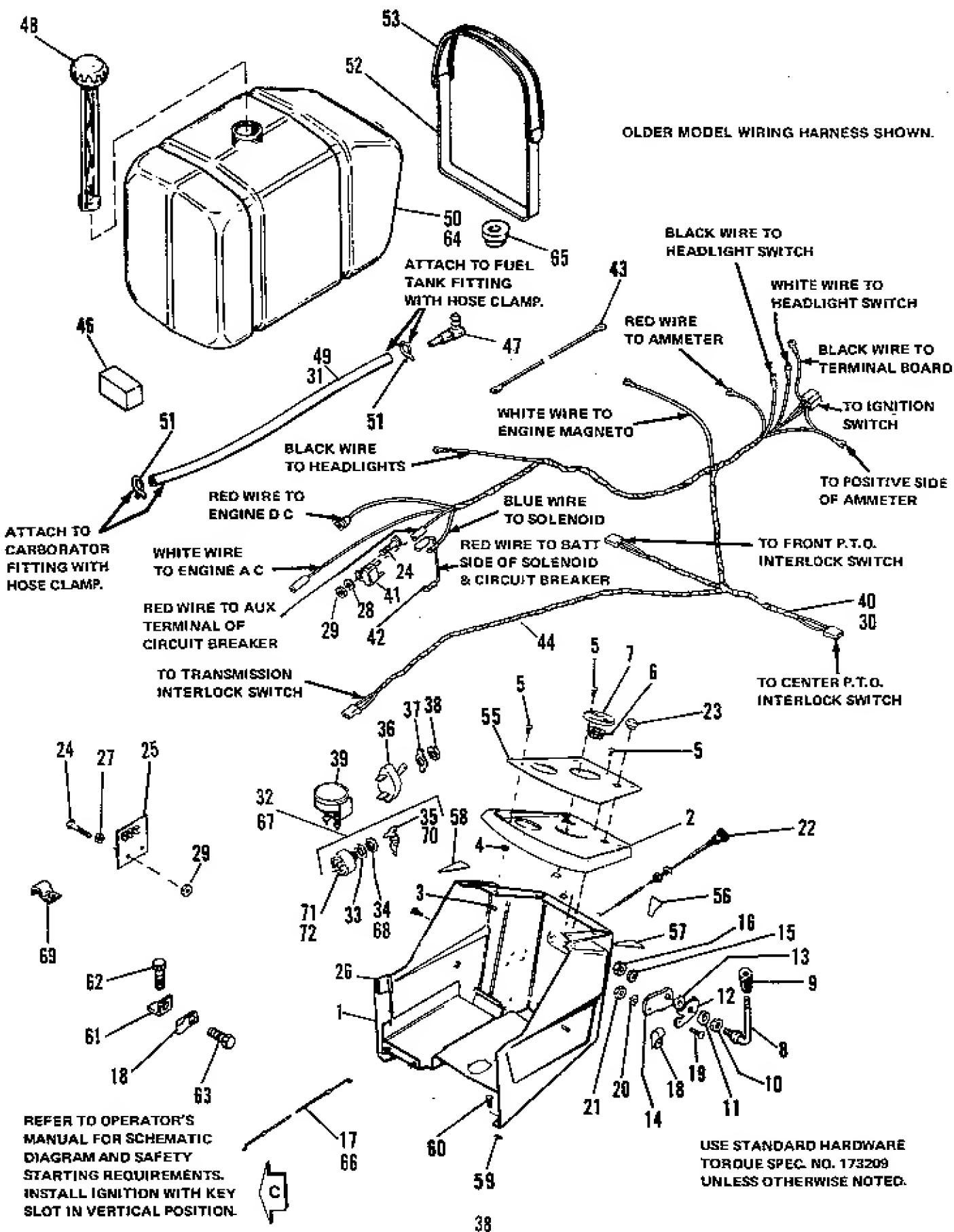
USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209  
UNLESS OTHERWISE NOTED.

## Electrical Group (7016)

**Simplicity**

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Ref. No.	Part No.	Qty.	Serial No.	Description
1	171811	1	{00000}-{ }	CABLE, Battery to Ground
2	925003	2	{00000}-{ }	SCREW, Taptite, 1/4-20 x 1/2
3	122216	1	{00000}-{ }	SOLENOID
4	922711	1	{00000}-{ }	LOCKWASHER, No. 10
5	917415	1	{00000}-{ }	NUT, Hex, No. 10-32
6	917356	4	{00000}-{ }	LOCKWASHER, 5/16
7	1663316	1	{00000}-{ }	CABLE, Battery to Solenoid
8	1603195	1	{00000}-{ }	CABLE, Solenoid to Starter
9	1685058	1	{00000}-{ }	BATTERY
10	171225	1	{00000}-{ }	CLAMP
11	924433	2	{00000}-{ }	NUT, Elastic, 5/16-18
12	176912	1	{00000}-{ }	CLIP, Wire
13	172175	1	{00000}-{ }	GROMMET
14	921332	2	{00000}-{ }	CAPSCREW, Hex Hd., 5/16-18 x 3/4
15	172434	2	{00000}-{ }	CLIP, Tinnermann
16	172436	2	{00000}-{ }	CLIP, Tinnermann
17	1663287	1	{00000}-{ }	BRACKET
18	106786	1	{00000}-{ }	CLIP, Cable
19	1657339	1	{00000}-{ }	PROTECTOR, Terminal
20	122023	1	{00000}-{ }	COVER, Terminal
21	923747	1	{00000}-{ }	TIE, Wrap
22	917372	2	{00000}-{ }	NUT, Hex, 5/16-18

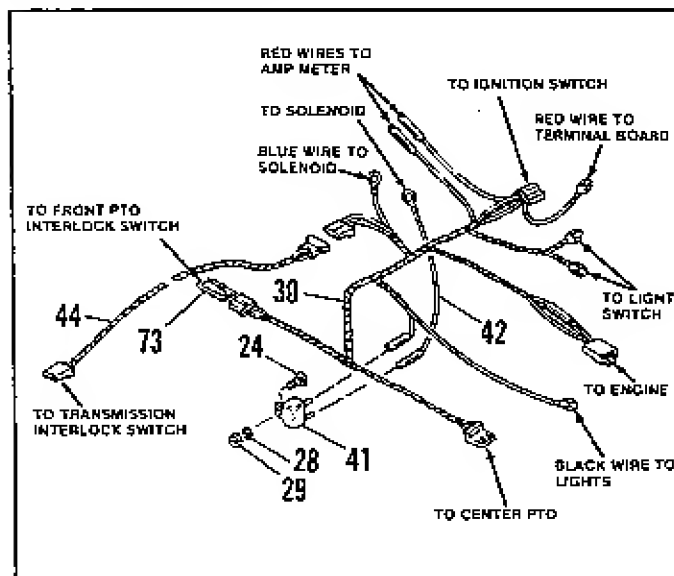




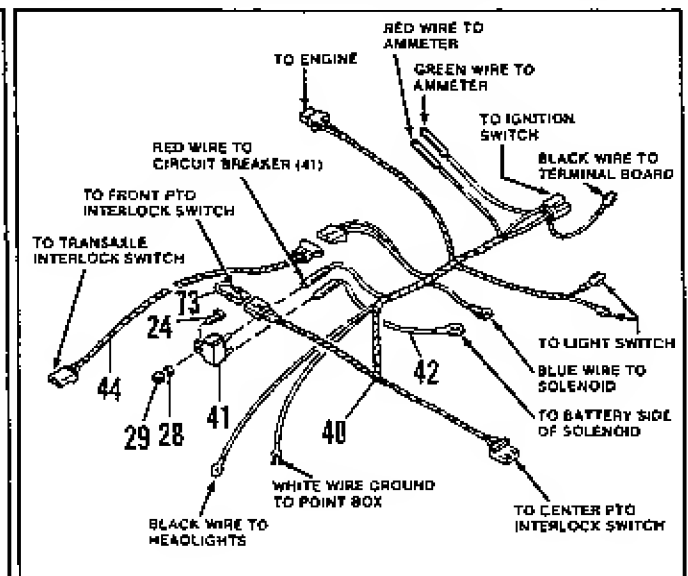
Ref. No.	Part No.	Qty.	Serial No.	Description
1	1665229	1	(00000)-( )	DASH ASSEMBLY
2	1651000	1	(00000)-( )	PANEL, Instrument
3	917887	6	(00000)-( )	NUT, Retainer, Tinn.
4	916955	4	(00000)-( )	WASHER, Plain, 3/16
5	926025	8	(00000)-( )	SCREW, Mach. Rd. Hd., 1/4-20 x 1/2
6	157077	1	(00000)-( )	BUSHING
7	172008	1	(00000)-( )	PLATE STEERING, Adj.
8	1651170	1	(00000)-( )	HANDLE, Clutch Control
9	172038	1	(00000)-( )	KNOB, Tapered
10	101025	1	(00000)-( )	WASHER
11	156116	1	(00000)-( )	WASHER
12	171848	1	(00000)-( )	STOP, Throttle Kix
13	159107	1	(00000)-( )	WASHER
14	158424	1	(00000)-( )	ARM, Throttle
15	930665	1	(00000)-( )	LOCKWASHER, Dished Shakeproof, 3/8
16	930651	1	(00000)-( )	LOCKNUT, Hex, 3/8-16
17	171355	1	(00000)-( )	CONTROL, Throttle (7016 Only)
18	158475	2	(00000)-( )	CLIP, Bowden Wire (7010 Quantity 1 Only)
19	930531	1	(00000)-( )	SCREW, Rd. Hd., No. 10-32 x 1/2
20	922711	1	(00000)-( )	LOCKWASHER, External, No. 10
21	917415	1	(00000)-( )	NUT, Mach. Hex, No. 10-32
22	1650997	1	(00000)-( )	CONTROL, Choke
23	177447	2	(00000)-( )	PLUG, Burton
24	921959	3	(00000)-( )	CAPSCREW, Hex Hd., 1/4-20 x 5/8
25	1665230	1	(00000)-( )	BOARD, Terminal
26	930222	1	(00000)-( )	CLIP, Wire
27	923358	2	(00000)-( )	NUT, Lock, Hex, 1/4-20 UNC 2B
28	921880	1	(00000)-( )	LOCKWASHER, Shakerproof, 1/4
29	916622	3	(00000)-( )	NUT, Hex, 1/4-20
30	1663494	1	(00000)-(01933)	HARNESS ASSY. (1690333 Only)
	1663253	1	(00000)-( )	HARNESS ASSY. (1690341 Only)
	1665231	1	(01934)-( )	HARNESS ASSY. (1690333 Only)

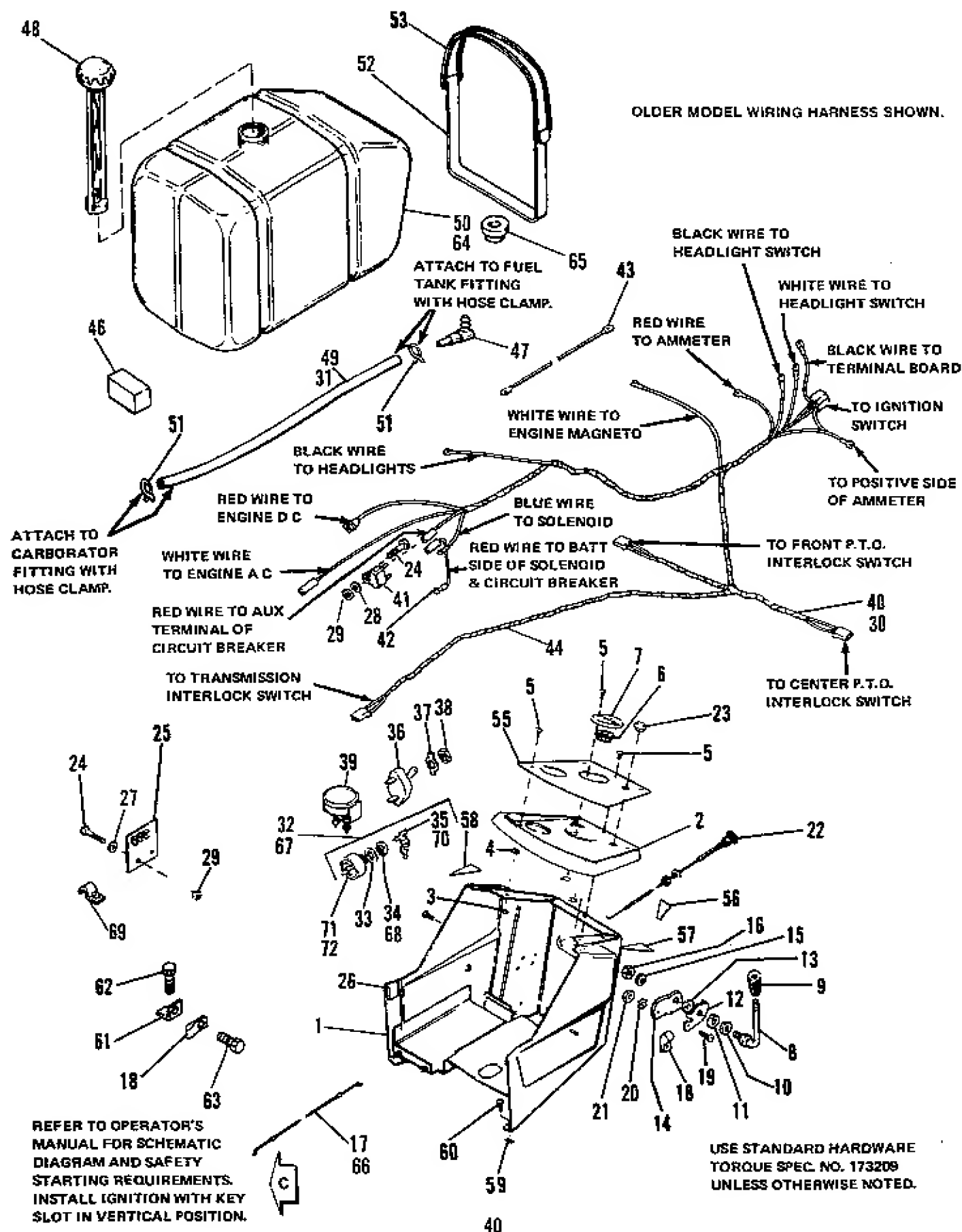
NOTE: Parts Ref. No. 31-73 continued on the following page.

NEWER MODEL WIRING HARNESS FOR MFG. NO. 1690341, 1690423, & 1690425 ONLY.



NEWER MODEL WIRING HARNESS FOR MFG. NO. 1690333 ONLY.

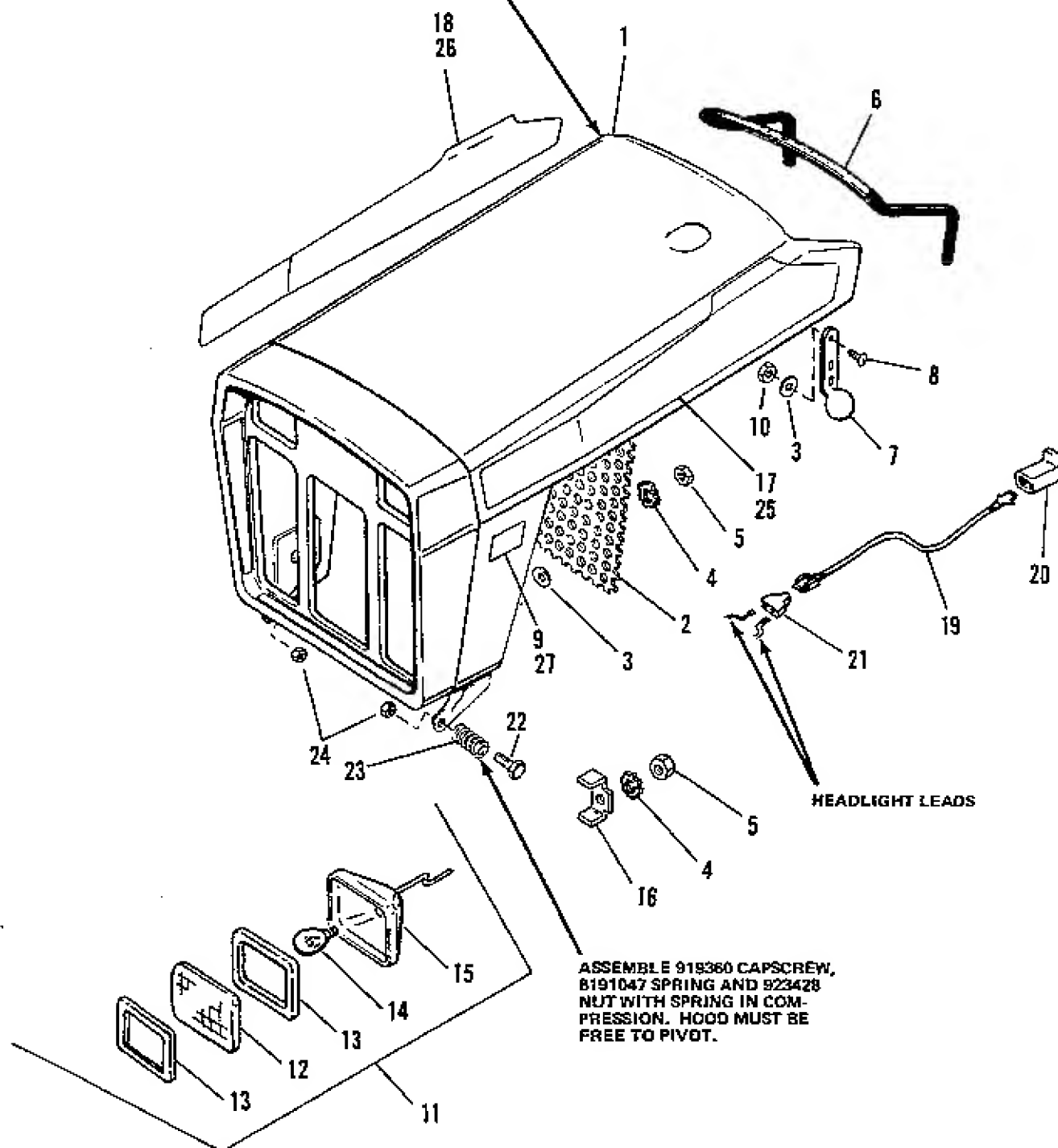




Ref. No.	Part No.	Qty.	Serial No.	Description
31	1657951	1	{00000}-{ }	HOSE, Fuel (7010 Only)
32	178280	1	{00000}-{ }	SWITCH KEY ASSY. (7016 Only)
33	918906	1	{00000}-{ }	LOCKWASHER, Internal, 5/8
34	122234	1	{00000}-{ }	NUT, Hex Special (7016 Only)
35	122203	1	{00000}-{ }	KEY, Set (7016)
36	122184	1	{00000}-{ }	SWITCH, Toggle
37		1	{00000}-{ }	PLATE
38		1	{00000}-{ }	NUT
39	1603189	1	{00000}-{ }	AMMETER
40	1663253	1	{00000}-{01042}	HARNESSE ASSEMBLY (1690423 Only)
	1665239	1	{01043}-{ }	HARNESSE ASSEMBLY (1690423 Only)
	1663253	1	{00000}-{01005}	HARNESSE ASSEMBLY (1690425 Only)
	1665239	1	{01005}-{ }	HARNESSE ASSEMBLY (1690425 Only)
41	1665238	1	{00000}-{ }	CIRCUIT BREAKER
42	1665237	1	{00000}-{ }	WIRE ASSEMBLY
43	1651147	1	{00000}-{ }	WIRE ASSEMBLY (7010 Only)
44	1665236	1	{00000}-{ }	WIRE ASSY.
46	173335	1	{00000}-{ }	PAD, Fuel Tank (7016 Only)
47	1664460	1	{00000}-{ }	ELBOW
48	171252	1	{00000}-{ }	CAP, Fuel Tank
49	1664516	1	{00000}-{ }	HOSE, Fuel (7016 Only)
50	1664517	1	{00000}-{ }	TANK ASSY, Fuel (7016 Only) Incl. Ref. No's 47, 49, 65 & 51
51	154372	2	{00000}-{ }	CLAMP, Hose
52	171330	2	{00000}-{ }	STRAP, Tank
53	172744	2	{00000}-{ }	STRAP, Fuel Tank
55	1651101	1	{00000}-{ }	DECAL, Instrument Panel
56	1657090	1	{00000}-{ }	DECAL, Ignition
57	1664244	1	{00000}-{ }	DECAL, Throttle Control
58	1664242	1	{00000}-{ }	DECAL, 6 - Speed Control
59	928703	7	{00000}-{ }	NUT, Speed, Tinn.
60	930561	10	{00000}-{ }	SCREW, Hex Hd. Thd. Forming, No. 14 x 3/4
61	1656453	1	{00000}-{ }	BRACKET, Cable (7016 Only)
62	927429	1	{00000}-{ }	SCREW, Hex Hd., 1/4-20 x 5/8 (7016 Only)
63	929477	1	{00000}-{ }	SCREW, Tapire, No. 10-24 x 1/2 (7016 Only)
64	1664518	1	{00000}-{ }	TANK ASSY, Fuel (7010 Only) Incl. Ref. Nos. 31, 47, 65, 51
65	1654930	1	{00000}-{ }	BUSHING
66	1650998	1	{00000}-{ }	CONTROL, Throttle (7010 Only)
67	1607280	1	{00000}-{ }	SWITCH KEY ASSY. (7010 Only)
68	122235	1	{00000}-{ }	NUT, Hex, Special (7010 Only)
69	932771	2	{00000}-{ }	CLIP, Cable
70	1603249	1	{00000}-{ }	KEY, Set (7010 Only)
71	1665250	1	{00000}-{ }	SWITCH, Ignition (7016 Only)
72	1665259	1	{00000}-{ }	SWITCH, Ignition (7010 Only)
73	174702	1	{00000}-{ }	WIRING ASSY.

NOTE: Parts Ref. No. 1-30 found on preceding page.

HOOD MUST PIVOT FREELY AND  
FIT PROPERLY WHEN CLOSED.



ASSEMBLE 919360 CAPSCREW,  
8191047 SPRING AND 923428  
NUT WITH SPRING IN COM-  
PRESSION. HOOD MUST BE  
FREE TO PIVOT.

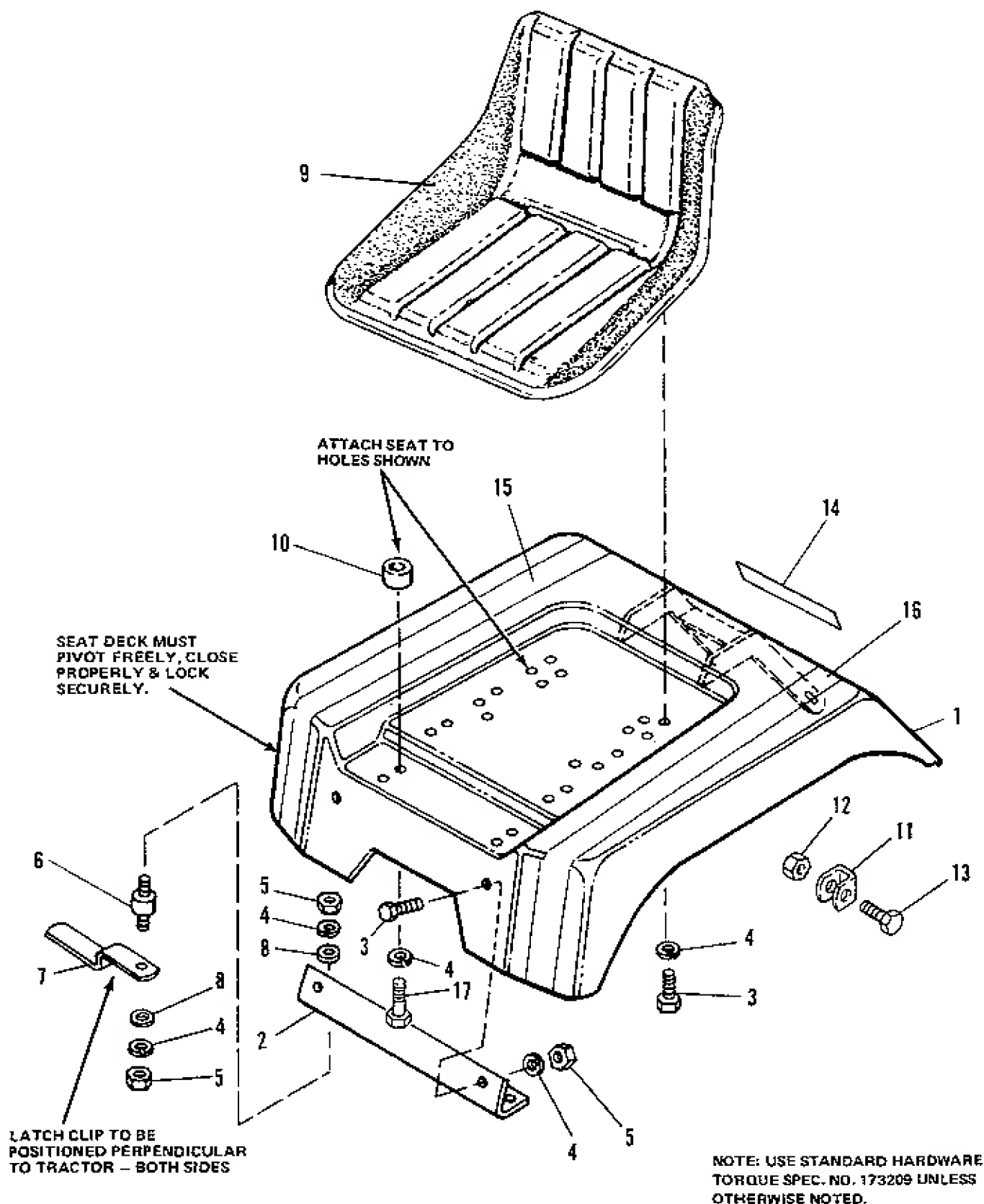
USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209  
UNLESS OTHERWISE NOTED.

## Hood &amp; Lights Group (7010 &amp; 7016)

**Simplicity**

10/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656400	1	(00000)-( )	HOOD & GRILLE ASSEMBLY
2	1656587	1	(00000)-( )	SCREEN, Grille
3	171804	6	(00000)-( )	WASHER, Special
4	922741	8	(00000)-( )	LOCKWASHER, Ext. Tooth, No. 10
5	916621	8	(00000)-( )	NUT, Hex, Mach., No. 10-24
6	172935	1	(00000)-( )	MOULDING, Hood
7	171600	2	(00000)-( )	STRAP, Hood
8	930531	2	(00000)-( )	SCREW, Truss Hd., No. 10-32 x 1/2
9	1657145	2	(00000)-( )	DECAL, 7016-S Speed (7016)
10	930627	2	(00000)-( )	LOCKNUT, Hex, No. 10-32
11	1656935	2	(00000)-( )	LIGHT ASSEMBLY
12	1656933	2	(00000)-( )	LENS
13	1654662	4	(00000)-( )	GASKET
14		2	(00000)-( )	BULB, No. 1293
15	1654664	2	(00000)-( )	SOCKET
16	1656881	4	(00000)-( )	CLIP
17	1657117	1	(00000)-( )	DECAL, L.H. Hood, Sovereign (7016)
18	1657116	1	(00000)-( )	DECAL, R.H. Hood, Sovereign (7016)
19	1657047	1	(00000)-( )	WIRE ASSEMBLY
20	172100	1	(00000)-( )	BODY, Connector
21	122182	1	(00000)-( )	CONNECTOR, Insulated
22	921969	2	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
23	8191047	2	(00000)-( )	SPRING
24	930651	2	(00000)-( )	NUT, Hex, 3/8-16
25	1657113	1	(00000)-( )	DECAL, L.H. Hood, Landlord (7010)
26	1657112	1	(00000)-( )	DECAL, R.H. Hood, Landlord (7010)
27	1657143	2	(00000)-( )	DECAL, 7010 S-Speed (7010)

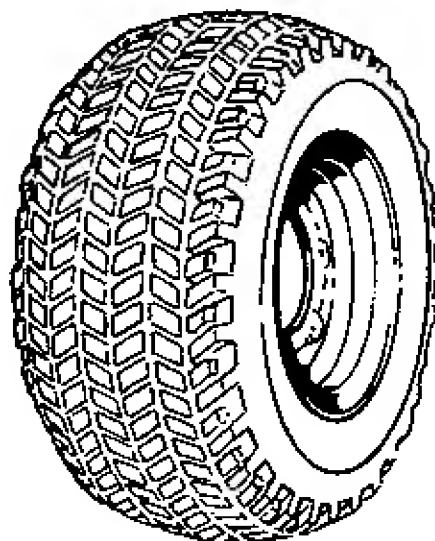
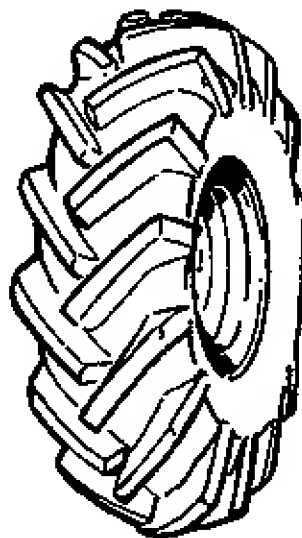


## Seat &amp; Deck Group (7010 &amp; 7016)

**Simplicity**

10/78

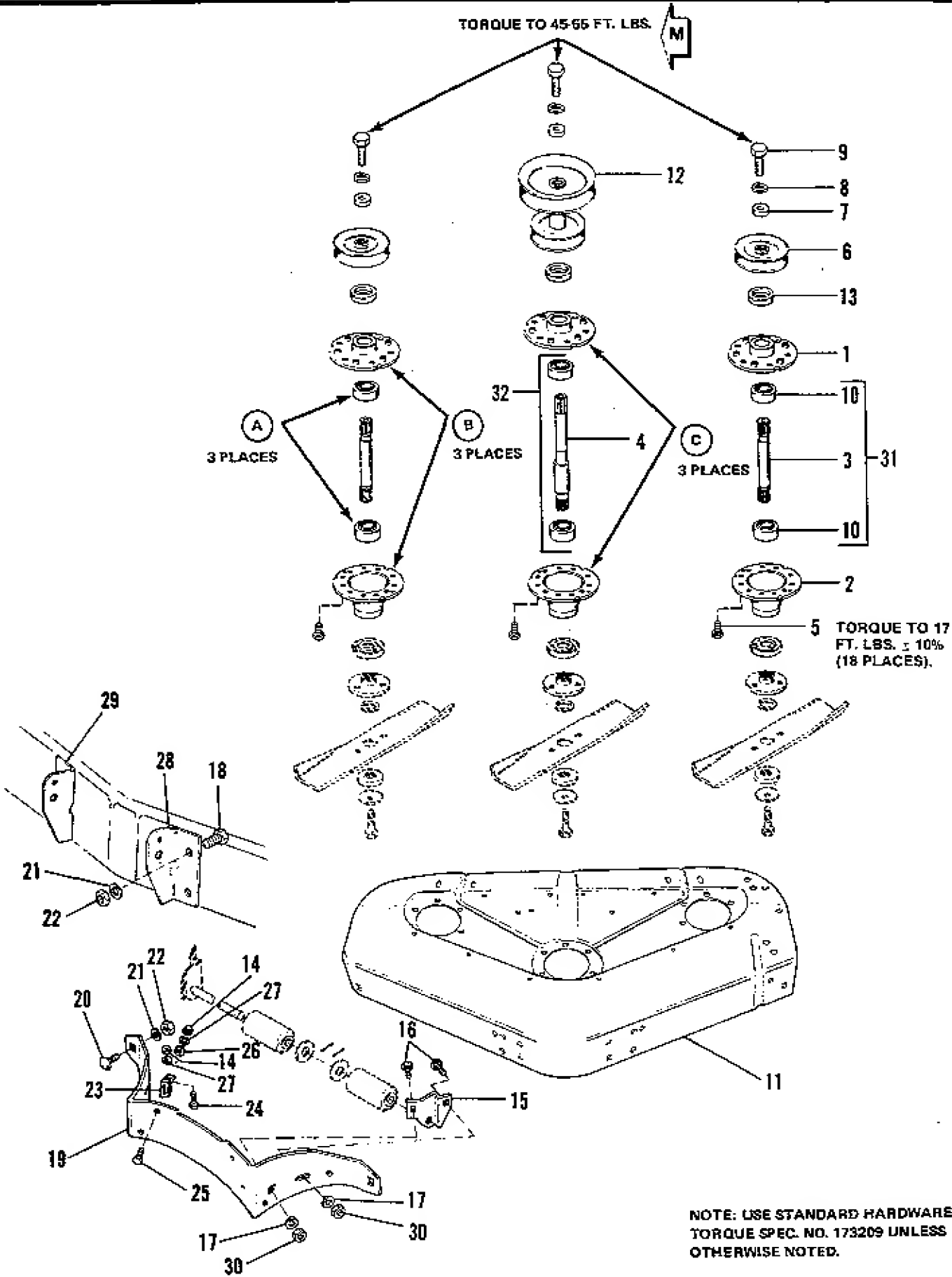
Ref. No.	Part No.	Qty.	Serial No.	Description
1	166111	1	(00000)-( )	SEAT, Deck
2	164029	1	(00000)-( )	BRACKET, Frt. Seat Deck
3	925205	4	(00000)-( )	CAPSCREW, 5/16-18 x 5/8
4	917356	10	(00000)-( )	LOCKWASHER, 5/16
5	917372	6	(00000)-( )	NUT, Hex, Full, 5/16-18
6	157094	2	(00000)-( )	CONNECTOR, Cushion
7	1606823	2	(00000)-( )	CLIP
8	917377	4	(00000)-( )	WASHER, 1/4
9	1657309	1	(00000)-( )	SEAT
10	106132	1	(00000)-( )	SPACER
11	1607870	1	(00000)-( )	STOP, Seat Deck
12	930651	2	(00000)-( )	LOCKNUT, Hex, 3/8-16
13	920415	2	(00000)-( )	CAPSCREW, Hex, 3/8-16 x 1-1/4
14	153166	1	(00000)-( )	DECAL, Simplicity
15	1657282	1	(00000)-( )	DECAL, Stripe, R.H.
16	1657283	1	(00000)-( )	DECAL, Stripe, L.H.
17	921977	1	(00000)-( )	CAPSCREW, Hex Hd., 5/16-18 x 1 1/4





Part No.	Qty.	Serial No.	Description
1657752	1	(00000)-( )	WHEEL & TIRE ASSY, R.H. 23 x 10-1/2 - 12
1657694	2	(00000)-( )	TIRE, 23 x 10-1/2 - 12
157638	2	(00000)-( )	TUBE
172353	2	(00000)-( )	STEM & VALVE CAP
173430	2	(00000)-( )	WHEEL
1657753	1	(00000)-( )	WHEEL & TIRE ASSY, L.H. 23 x 10-1/2 - 12

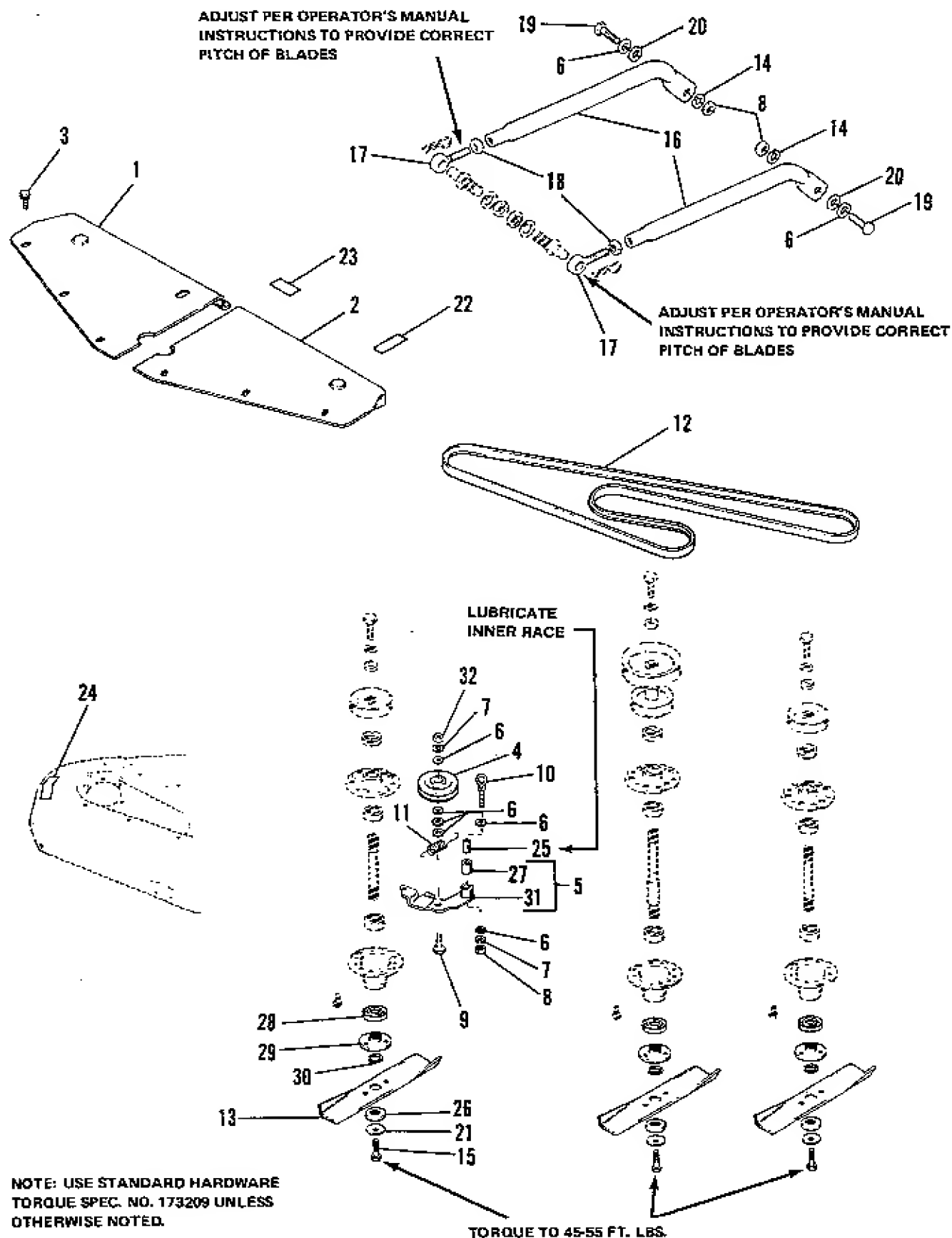
Part No.	Qty.	Serial No.	Description
173432	2	(00000)-( )	WHEEL & TIRE ASSY, 23 x 10-1/2 - 12
157637	2	(00000)-( )	TIRE, 23 x 10-1/2 - 12
157638	2	(00000)-( )	TUBE
172353	2	(00000)-( )	STEM & VALVE CAP
173430	2	(00000)-( )	WHEEL



Ref. No.	Part No.	Qty.	Serial No.	Description
1	1655729	3	{00000}-{ }	HOUSING, Top
2	1655728	3	{00000}-{ }	HOUSING, Bottom
3	1655751	2	{00000}-{ }	SHAFT, Arbor
4	1656913	1	{00000}-{ }	SHAFT, Arbor, Center
5	1659847	18	{00000}-{ }	SCREW, Hex Wshr. Hd., 5/16 x 5/8
6	1655867	2	{00000}-{ }	PULLEY ASSY, Deck Drive
7	933263	3	{00000}-{ }	WASHER
8	918199	3	{00000}-{ }	LOCKWASHER, 7/16
9	920677	3	{00000}-{ }	CAPSCREW, Hex Hd., 7/16-14 x 1 1/4
10	108202	6	{00000}-{ }	BEARING
11	1656942	1	{00000}-{ }	HOUSING, 42"
12	1656929	1	{00000}-{ }	PULLEY ASSY
13	1657969	3	{00000}-{ }	SHIELD, Bearing Upper
14	916622	4	{00000}-{ }	NUT, Hex, Full, 1/4-20
15	108224	1	{00000}-{ }	BRACKET, Roller, L.H.
16	920562	2	{00000}-{ }	BOLT, Carriage, 5/16-18 x 3/4
17	917356	2	{00000}-{ }	LOCKWASHER, 5/16
18	921965	4	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 3/4
19	108361	1	{00000}-{ }	BAFFLE
20	922110	2	{00000}-{ }	BOLT, Carriage, 3/8-16 x 3/4
21	916965	6	{00000}-{ }	LOCKWASHER, 3/8
22	916950	6	{00000}-{ }	NUT, Hex, Full, 3/8-16
23	108186	2	{00000}-{ }	CLIP, Baffle
24	922125	2	{00000}-{ }	SCREW, Thd. Cutting, 1/4-20 x 7/8
25	921959	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/4-20 x 5/8
26	917377	2	{00000}-{ }	WASHER, Plain, 1/4
27	916964	4	{00000}-{ }	LOCKWASHER, 1/4
28	1651499	1	{00000}-{ }	BRACKET, L.H.
29	1651500	1	{00000}-{ }	BRACKET, R.H.
30	917372	2	{00000}-{ }	NUT, Hex, Full, 5/16-18
31	1663336	2	{00000}-{ }	SHAFT & BEARING ASSY
32	1663337	1	{00000}-{ }	SHAFT & BEARING ASSY, Center

**ASSEMBLY PROCEDURES****42" Mower (Housing & Arbor Group)**

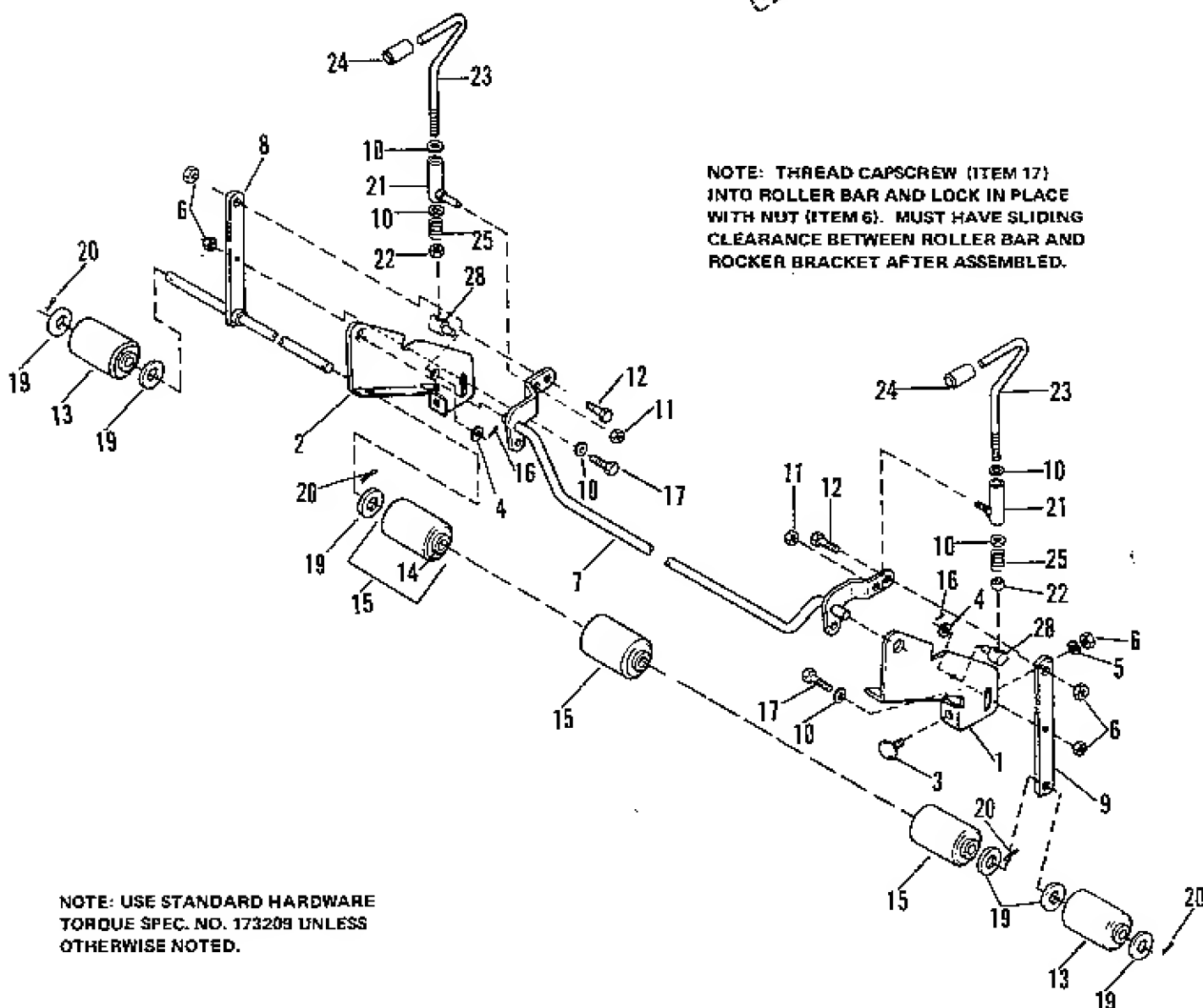
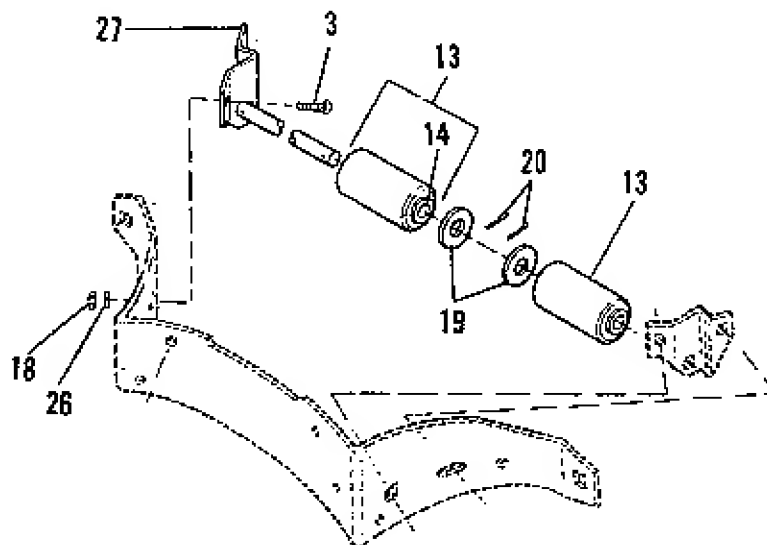
- A. Press (2) bearings (item 10) with land riding seal facing up over shafts (items 3 & 4) using pressure only on the inner race of the bearing.
- B. Assemble upper and lower arbor housings (items 1 & 2) over bearings. Must be careful that housings do not cock on bearings. When upper and lower housing flanges come together proper alignment of holes in housing flanges are accomplished by aligning knockouts in lower housing flange with mating holes in upper housing flange. Also half holes in outer edge must match.
- C. Seal between flanges of upper arbor housing and lower arbor housing with 1651180 gasket eliminator. Remove contaminates such as grease, heavy oils and dirt from flange surfaces before assembly. Avoid lateral movement between flange surfaces during assembly.



## 42" Cover, Drive &amp; Bail Group

6-77

Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656953	1	(00000)-( )	COVER, R.H.
2	1656954	1	(00000)-( )	COVER, L.H.
3	929000	10	(00000)-( )	SCREW, Hex, Taprite, 1/4-20 x 3/8
4	164268	1	(00000)-( )	PULLEY, Idler
5	1657684	1	(00000)-( )	LEVER ASSY, Idler (w/Bushings)
6	917642	8	(00000)-( )	WASHER, Plain, 5/16
7	916965	4	(00000)-( )	LOCKWASHER, 3/8
8	916950	3	(00000)-( )	NUT, Hex, Full, 3/8-16
9	108418	1	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
10	171815	1	(00000)-( )	EYEBOLT
11	1656936	1	(00000)-( )	SPRING
12	1656960	1	(00000)-( )	BELT, V, Arbor Drive
13	1856144	3	(00000)-( )	BLADE, 42" Mower
14	916966	2	(00000)-( )	LOCKWASHER, 1/2
15	920676	3	(00000)-( )	CAPSCREW, Hex Hd., 7/16-14 x 1
16	1651520	2	(00000)-( )	ARM, Adjusting
17	157215	2	(00000)-( )	EYEBOLT
18	919262	2	(00000)-( )	NUT, Hex, Jam, 1/2-20
19	907731	2	(00000)-( )	CAPSCREW, Hex Hd., 3/8-16 x 1
20	108717	2	(00000)-( )	SPACER
21	1656916	3	(00000)-( )	WASHER, Spring
22	1656857	1	(00000)-( )	DECAL, Danger
23	174845	1	(00000)-( )	DECAL, Belt Installation
24	1656856	1	(00000)-( )	DECAL, Danger
25	8171073	1	(00000)-( )	RACE, Inner
26	1656927	3	(00000)-( )	WASHER, Spline
27	1657682	1	(00000)-( )	BUSHING
28	1657588	3	(00000)-( )	SHIELD, Grass
29	1655777	3	(00000)-( )	ADAPTOR, Blade
30	1657528	3	(00000)-( )	RING, Self Locking
31	1656962	1	(00000)-( )	LEVER ASSY, Idler
32	917421	1	(00000)-( )	NUT, Hex, Jam, 3/8-16



**NOTE: THREAD CAPSCREW (ITEM 17)  
INTO ROLLER BAR AND LOCK IN PLACE  
WITH NUT (ITEM 6). MUST HAVE SLIDING  
CLEARANCE BETWEEN ROLLER BAR AND  
ROCKER BRACKET AFTER ASSEMBLED.**

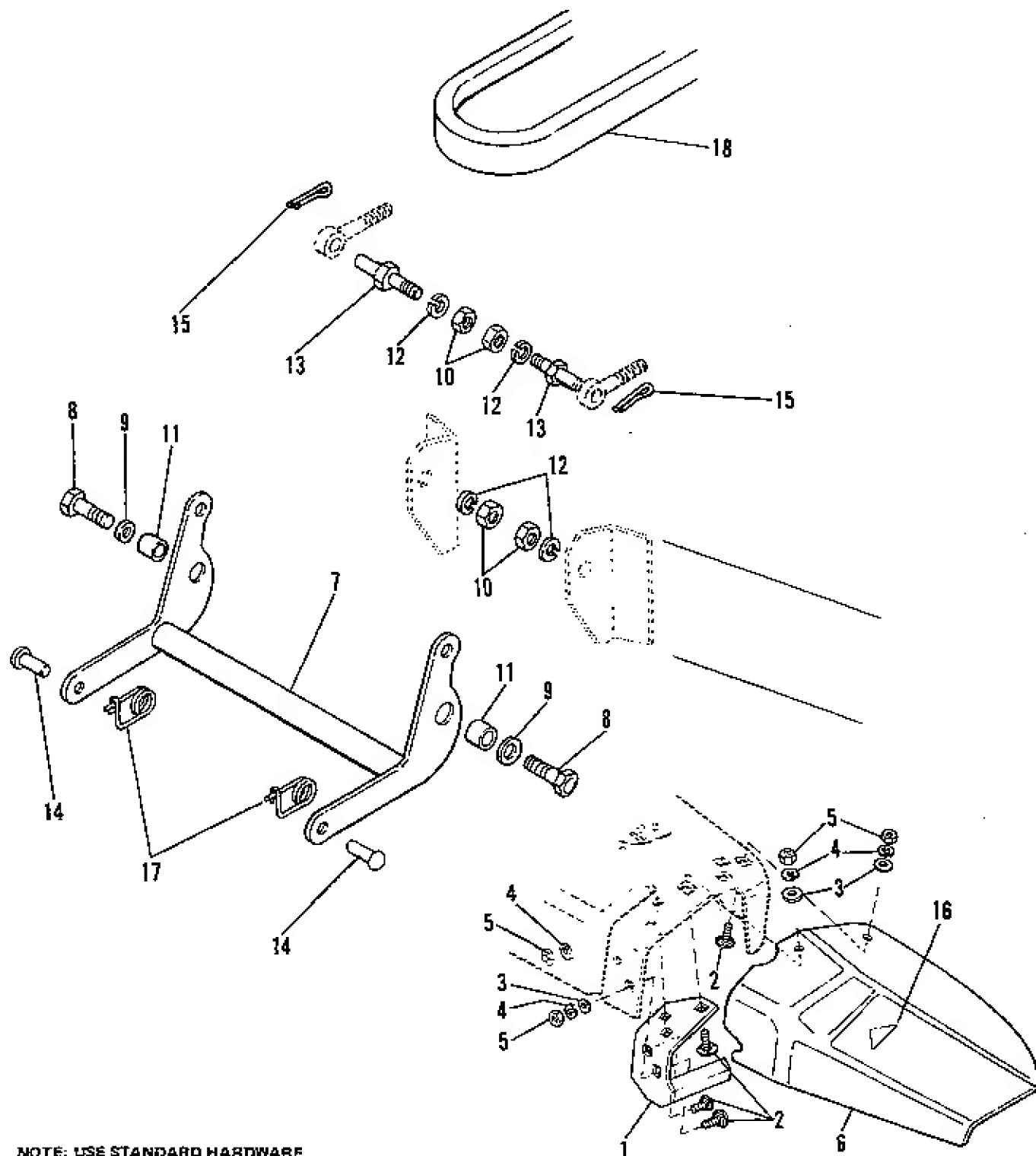
**NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.**

## 42" Height Adjusting &amp; Roller Group

**Simplicity**

10/78

Ref. No.	Part No.	Qty.	Serial No.	Description
1	172044	1	{00000}-{ }	BRACKET, Roller, L.H.
2	172045	1	{00000}-{ }	BRACKET, Roller, R.H.
3	920562	6	{00000}-{ }	BOLT, Carriage, 3/8-16 x 3/4
4	924940	2	{00000}-{ }	WASHER, Plain, 5/16
5	916965	4	{00000}-{ }	LOCKWASHER, 3/8
6	916950	8	{00000}-{ }	NUT, Hex, Full, 3/8-16
7	1651514	1	{00000}-{ }	ROCKER ARM ASSY
8	1657894	1	{00000}-{ }	SHAFT ASSY, Roller
9	1657893	1	{00000}-{ }	BAR, Roller
10	917378	6	{00000}-{ }	WASHER, Plain, 3/8
11	930651	2	{00000}-{ }	NUT, Hex, Full Lock, 3/8-16
12	907731	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
13	108431	4	{00000}-{ }	ROLLER ASSY
14	108419	14	{00000}-{ }	BUSHING
15	108432	3	{00000}-{ }	ROLLER ASSY
16	922000	2	{00000}-{ }	PIN, Cotter, 3/32 x 5/8
17	925204	2	{00000}-{ }	CAPSCREW, Hex hd., 3/8-16 x 1
18	917372	2	{00000}-{ }	NUT, Hex, Full, 5/16-18
19	919387	8	{00000}-{ }	WASHER, Plain, 5/8
20	918453	6	{00000}-{ }	PIN, Cotter, 3/16 x 1
21	108241	2	{00000}-{ }	SOCKET ASSY
22	917421	2	{00000}-{ }	NUT, Hex, Jam, 3/8-16
23	1650394	2	{00000}-{ }	HANDLE, Adjusting
24	1651820	2	{00000}-{ }	GRIP
25	108360	2	{00000}-{ }	SPRING
26	917356	2	{00000}-{ }	LOCKWASHER, 5/16
27	108426	1	{00000}-{ }	BRACKET & SHAFT ASSY
28	108512	2	{00000}-{ }	PIVOT



NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.

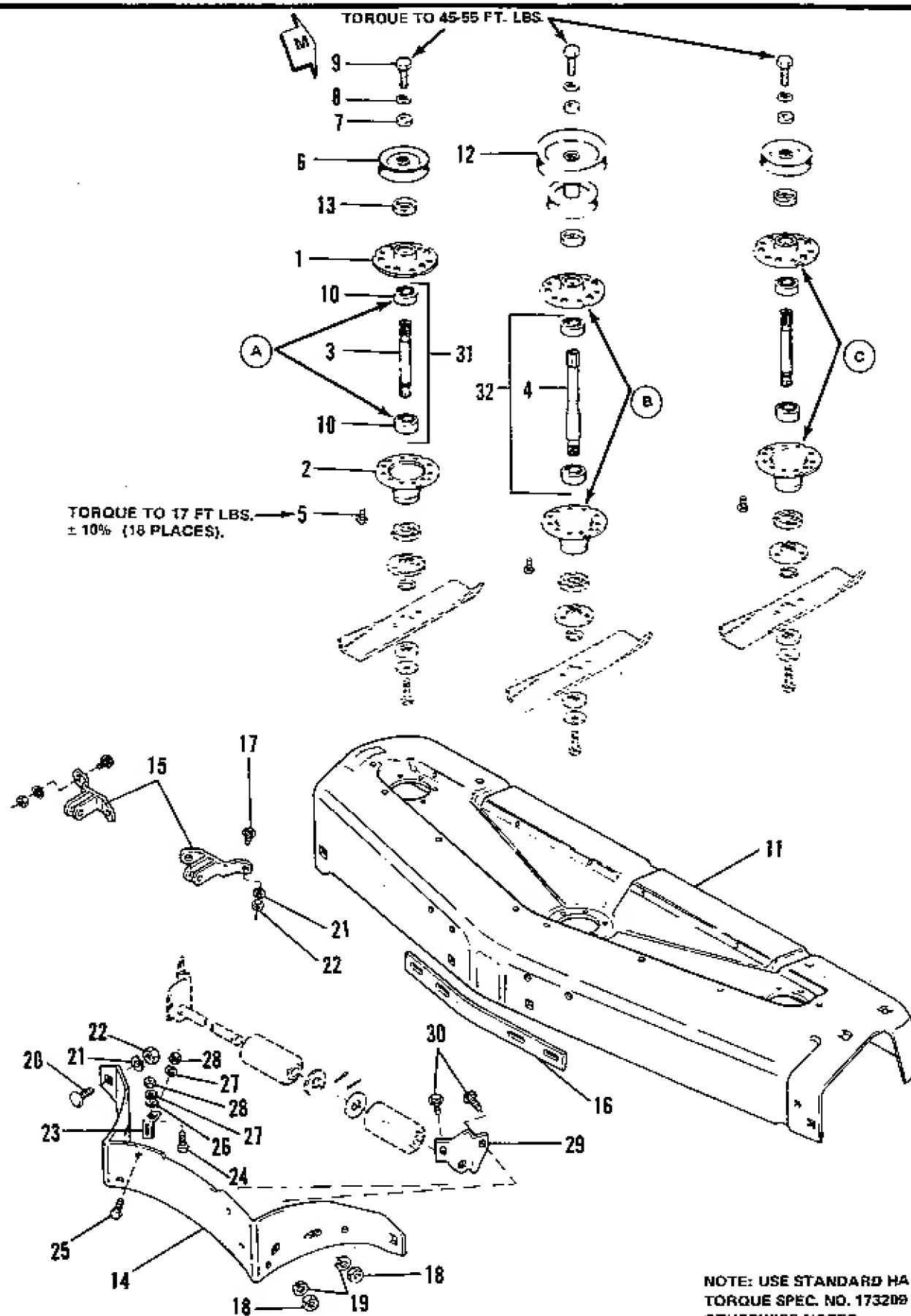


## 42" Deflector, Stone Guard &amp; Rocker Arm Group

**Simplicity**

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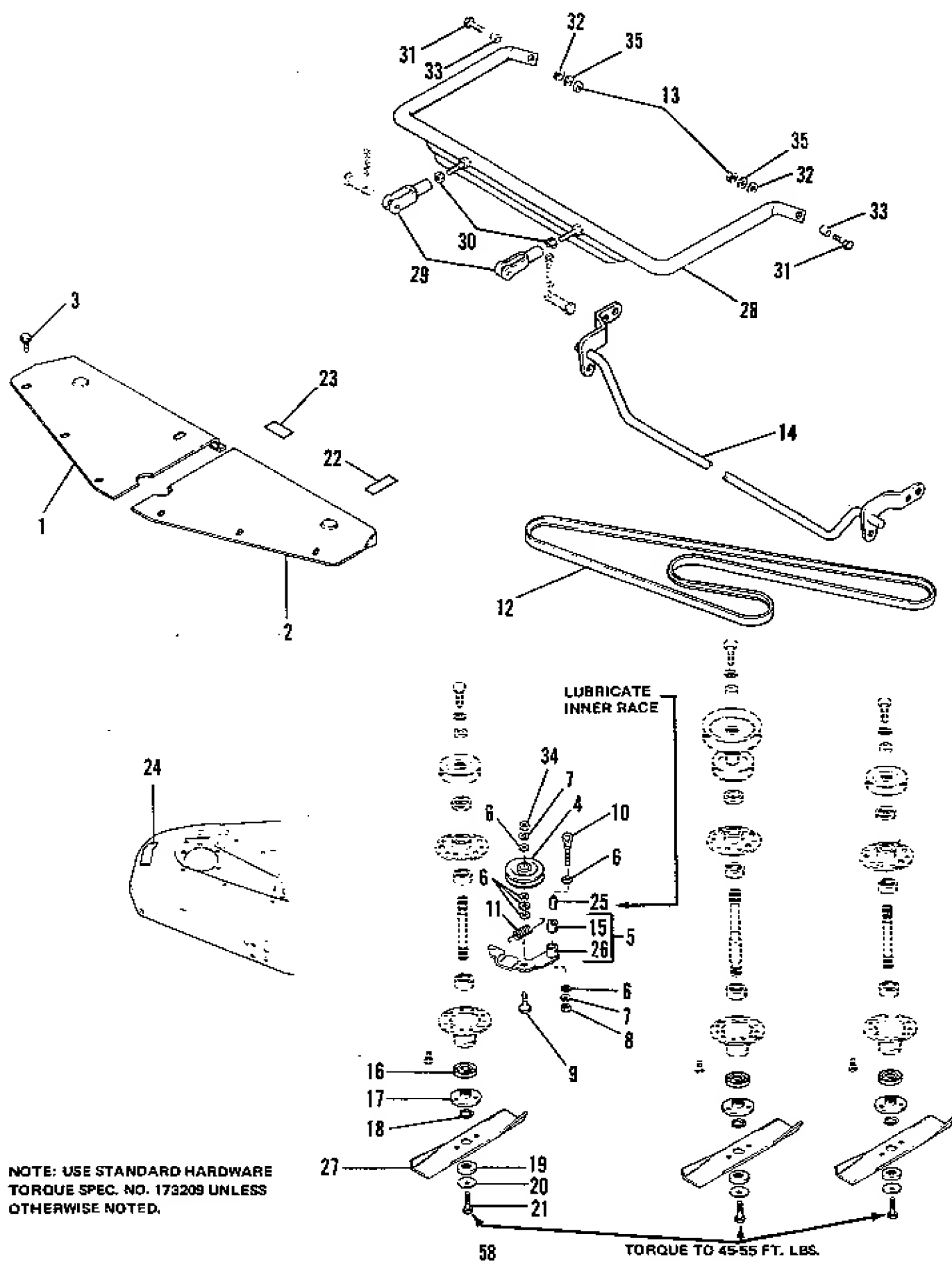
Ref. No.	Part No.	Qty.	Serial No.	Description
1	174167	1	{00000}-{ }	GUARD ASSY, Stone
2	922109	4	{00000}-{ }	BOLT, Carriage, 3/8-16 x 1-1/4
3	8161199	3	{00000}-{ }	WASHER, Special
4	916965	4	{00000}-{ }	LOCKWASHER, 3/8
5	916950	4	{00000}-{ }	NUT, Hex. Full, 3/8-16
6	1651177	1	{00000}-{ }	DEFLECTOR
7	172468	1	{00000}-{ }	ROCKER ARM ASSY
8	921176	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
9	918430	2	{00000}-{ }	WASHER, Plain, 7/16
10	916951	4	{00000}-{ }	NUT, Hex. Full, 1/2-13
11	105051	2	{00000}-{ }	SPACER
12	916966	4	{00000}-{ }	LOCKWASHER, 1/2
13	1651516	2	{00000}-{ }	PIN, Pivot
14	118053	2	{00000}-{ }	PIN
15	918452	2	{00000}-{ }	PIN, Cotter, 1/8 x 1
16		1	{00000}-{ }	DECAL, Ope
17	176012	2	{00000}-{ }	PIN, Clip
18	176439	1	{00000}-{ }	BELT, V, PTO to Mower



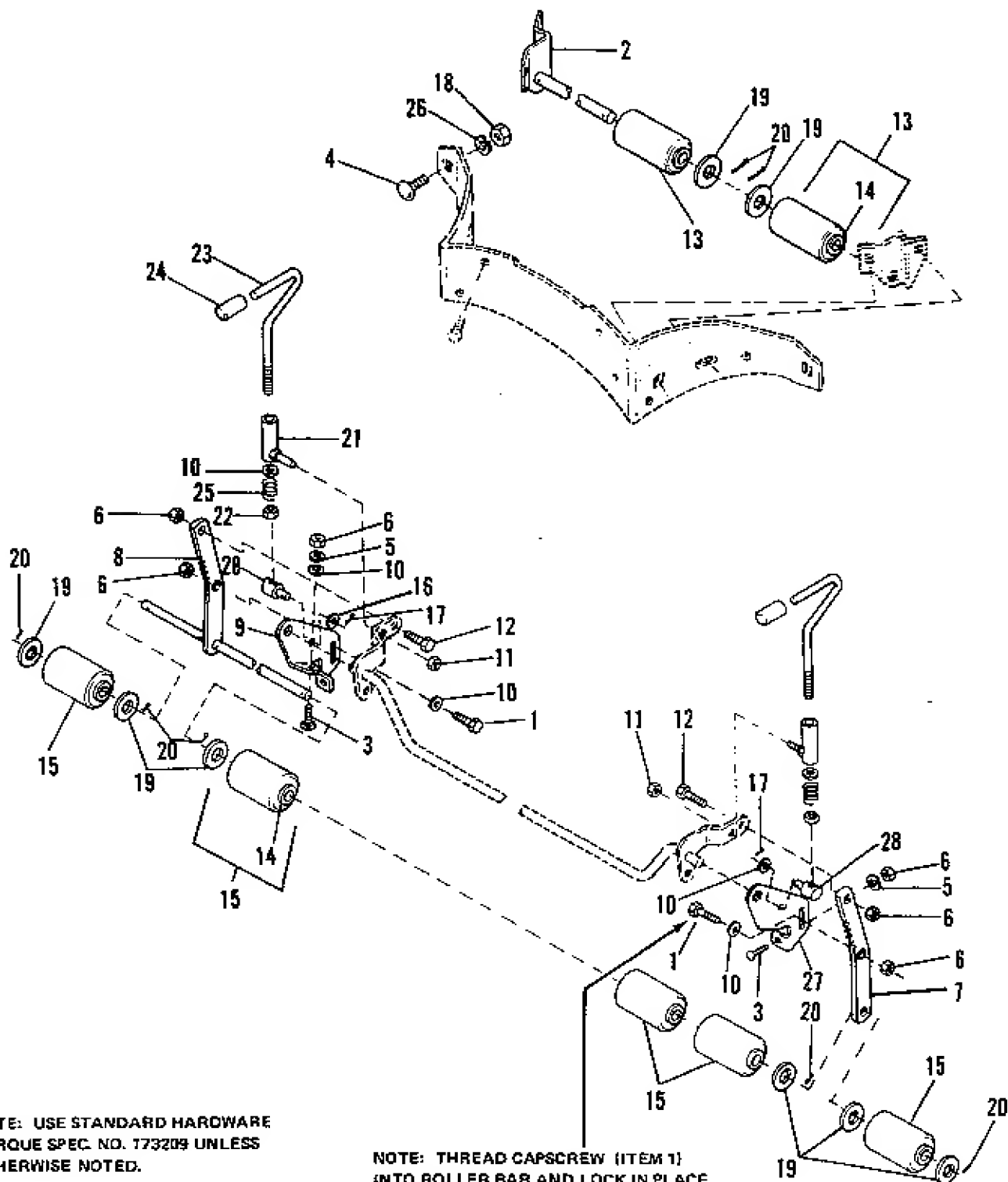
Ref. No.	Part No.	Qty.	Serial No.	Description
1	1655729	3	{00000}-{ }	HOUSING, Top
2	1655728	3	{00000}-{ }	HOUSING, Bottom
3	1655751	2	{00000}-{ }	SHAFT, Arbor
4	1656913	1	{00000}-{ }	SHAFT, Arbor, Center
5	1664847	18	{00000}-{ }	SCREW, Hex Wshr. Hd., 5/16 x 5/8
6	1655867	2	{00000}-{ }	PULLEY ASSY, Deck Drive
7	933263	3	{00000}-{ }	WASHER
8	918199	3	{00000}-{ }	LOCKWASHER, 7/16
9	920677	3	{00000}-{ }	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
10	108202	6	{00000}-{ }	BEARING
11	1656153	1	{00000}-{ }	HOUSING, 48"
12	1656928	1	{00000}-{ }	PULLEY ASSY
13	1657969	3	{00000}-{ }	SHIELD, Bearing, Upper
14	108453	1	{00000}-{ }	SAFFLE
15	108219	2	{00000}-{ }	BRACKET ASSY, Front
16	108366	1	{00000}-{ }	BAR, Reinforcement
17	923232	4	{00000}-{ }	BOLT, Carriage, 3/8-16 x 1
18	917372	2	{00000}-{ }	NUT, Hex, Full, 5/16-18
19	917356	2	{00000}-{ }	LOCKWASHER, 5/16
20	922110	2	{00000}-{ }	BOLT, Carriage, 3/8-16 x 3/4
21	916965	6	{00000}-{ }	LOCKWASHER, 3/8
22	916950	6	{00000}-{ }	NUT, Hex, Full, 3/8-16
23	108186	2	{00000}-{ }	CLIP, Baffle
24	922125	2	{00000}-{ }	SCREW, Thd. Forming, 1/4-20 x 7/8
25	921959	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/4-20 x 5/8
26	917377	2	{00000}-{ }	WASHER, Plain, 1/4
27	916964	4	{00000}-{ }	LOCKWASHER, 1/4
28	916622	4	{00000}-{ }	NUT, Hex, Full, 1/4-20
29	108224	1	{00000}-{ }	BRACKET, Roller, L.H.
30	920562	2	{00000}-{ }	BOLT, Carriage, 5/16-18 x 3/4
31	1663336	2	{00000}-{ }	SHAFT & BEARING ASSY
32	1663337	1	{00000}-{ }	SHAFT & BEARING ASSY, Center

**ASSEMBLY PROCEDURE****48" Mower (Housing & Arbor Group)**

- A. Press (2) bearings (item 10) with land riding seal out over shaft (items 3 & 4) using pressure only on the inner race of the bearing.
- B. Assemble upper and lower arbor housings (items 1 & 2) over bearings. Must be careful that housings do not cock on bearings. When upper and lower housing flanges come together proper alignment of holes in housing flanges are accomplished by aligning knockouts in lower housing flange with mating holes in upper housing flange. Also half holes in outer edge must match.
- C. Seal between flanges of upper arbor housing and lower arbor housing with 1651180 gasket eliminator. Remove contaminants, such as grease, heavy oil and dirt from flange surfaces before assembly. Avoid lateral movement between flange surfaces during assembly.



Ref. No.	Part No.	Qty.	Serial No.	Description
1	1656952	1	{00000}-{ }	COVER, R.H.
2	1656951	1	{00000}-{ }	COVER, L.H.
3	929000	14	{00000}-{ }	SCREW, Hex, Taprite, 1/4-20 x 3/8
4	108386	1	{00000}-{ }	PULLEY, Idler
5	1657684	1	{00000}-{ }	LEVER ASSY, Idler (w/Bushings)
6	917642	6	{00000}-{ }	WASHER, Plain, 5/16
7	916965	2	{00000}-{ }	LOCKWASHER, 3/8
8	918950	1	{00000}-{ }	NUT, Hex, Full, 3/8-16
9	108418	1	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
10	171815	1	{00000}-{ }	EYESOLT
11	1656936	1	{00000}-{ }	SPRING
12	1657044	1	{00000}-{ }	BELT, V, Arbor Drive
13	916951	2	{00000}-{ }	NUT, Hex, Full, 1/2-13
14	172015	1	{00000}-{ }	ROCKER ARM ASSY
15	1657682	1	{00000}-{ }	BUSHING
16	1657588	3	{00000}-{ }	SHIELD, Grass
17	1655777	3	{00000}-{ }	ADAPTOR, Blade
18	1657528	3	{00000}-{ }	RING, Self Locking
19	1656927	3	{00000}-{ }	WASHER, Spline
20	1656916	3	{00000}-{ }	WASHER, Spline
21	920676	3	{00000}-{ }	CAPSCREW, Hex Hd., 7/16-14 x 1
22	1656857	1	{00000}-{ }	DECAL, Danger
23	174845	1	{00000}-{ }	DECAL, Belt Installation
24	1656856	1	{00000}-{ }	DECAL, Danger
25	8171073	1	{00000}-{ }	RACE, Inner
26	1656962	1	{00000}-{ }	LEVER ASSY, Idler
27	1656143	3	{00000}-{ }	BLADE, 48" Mower
28	172473	1	{00000}-{ }	BAIL ASSY
29	154304	2	{00000}-{ }	YOKE
30	919262	2	{00000}-{ }	NUT, Hex, Jam, 1/2-20
31	921176	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
32	918430	2	{00000}-{ }	WASHER, Plain, 7/16
33	105051	2	{00000}-{ }	SPACER
34	917421	1	{00000}-{ }	NUT, Hex, Jam, 3/8-16
35	916965	2	{00000}-{ }	LOCKWASHER, 1/2



NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 773209 UNLESS  
OTHERWISE NOTED.

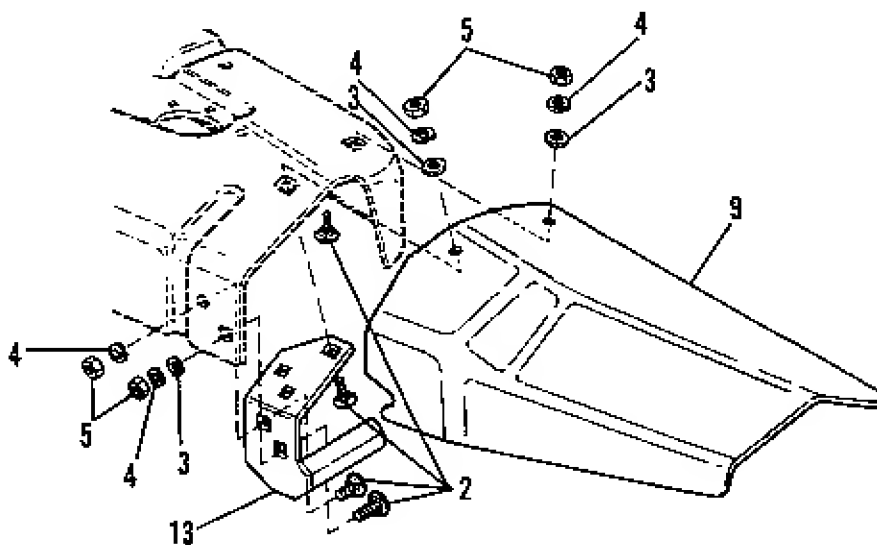
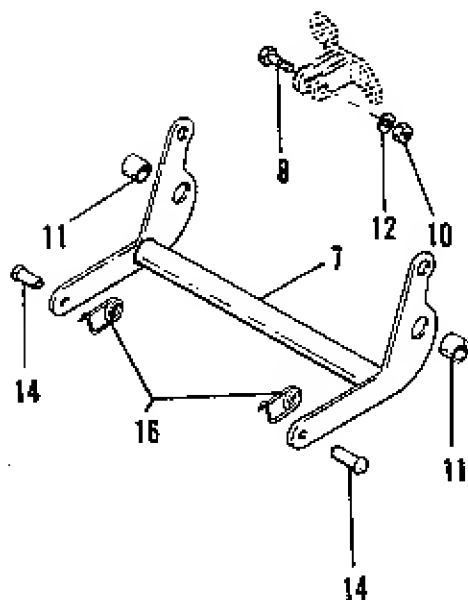
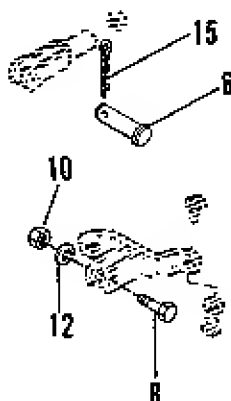
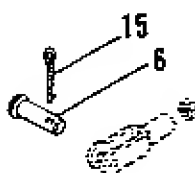
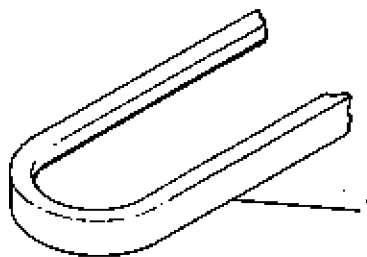
NOTE: THREAD CAPSCREW (ITEM 1)  
INTO ROLLER BAR AND LOCK IN PLACE  
WITH NUT (ITEM 6). MUST HAVE SLIDING  
CLEARANCE BETWEEN ROLLER BAR AND  
ROLLER BRACKET AFTER ASSEMBLED.

## 48" Height Adjusting &amp; Roller Group

**Simplicity**

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Ref. No.	Part No.	Qty.	Serial No.	Description
1	925204	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
2	108454	1	{00000}-{ }	BRACKET & SHAFT ASSY
3	923347	4	{00000}-{ }	BOLT, Carriage, 3/8-16 x 3/4
4	920562	2	{00000}-{ }	BOLT, Carriage, 5/16-18 x 3/4
5	916965	4	{00000}-{ }	LOCKWASHER, 3/8
6	916950	8	{00000}-{ }	NUT, Hex, Full, 3/8-16
7	1657891	1	{00000}-{ }	BAR, Roller
8	1657892	1	{00000}-{ }	SHAFT ASSY, Roller
9	172047	1	{00000}-{ }	BRACKET, Roller, R.H.
10	917378	6	{00000}-{ }	WASHER, Plain, 3/8
11	923428	2	{00000}-{ }	NUT, Hex, Full Lock, 3/8-16
12	907731	2	{00000}-{ }	CAPSCREW, Hex Hd., 3/8-16 x 1
13	108431	2	{00000}-{ }	ROLLER SUB ASSY
14	108419	14	{00000}-{ }	BUSHING
15	108432	5	{00000}-{ }	ROLLER ASSY
16	924940	2	{00000}-{ }	WASHER, Plain, 5/16
17	922000	2	{00000}-{ }	PIN, Cotter, 3/32 x 5/8
18	917372	2	{00000}-{ }	NUT, Hex, Full, 5/16-18
19	919387	8	{00000}-{ }	WASHER, Plain, 5/8
20	918458	7	{00000}-{ }	PIN, Cotter, 3/16 x 1
21	108241	2	{00000}-{ }	SOCKET ASSY
22	917421	2	{00000}-{ }	NUT, Hex, Jam, 3/8-16
23	1650394	2	{00000}-{ }	HANDLE, Adjusting
24	1651820	2	{00000}-{ }	GRIP
25	108360	2	{00000}-{ }	SPRING
26	917356	2	{00000}-{ }	LOCKWASHER, 5/16
27	172046	1	{00000}-{ }	BRACKET, Roller, L.H.
28	108512	2	{00000}-{ }	PIVOT






NOTE: USE STANDARD HARDWARE  
TORQUE SPEC. NO. 173209 UNLESS  
OTHERWISE NOTED.



Ref. No.	Part No.	Qty.	Serial No.	Description
1	163011	1	{00000}-{ }	BELT, V, PTO to Mower
2	922109	4	{00000}-{ }	BOLT, Carriage, 3/8-16 x 1-1/4
3	924356	3	{00000}-{ }	WASHER, Special
4	916965	4	{00000}-{ }	LOCKWASHER, 3/8
5	916950	4	{00000}-{ }	NUT, Hex, Full, 3/8-16
6	154305	2	{00000}-{ }	PIN, Yoke
7	172468	1	{00000}-{ }	ROCKER ARM ASSY
8	921176	2	{00000}-{ }	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
9	1651184	1	{00000}-{ }	DEFLECTOR
10	916951	2	{00000}-{ }	NUT, Hex, Full, 1/2-13
11	105051	2	{00000}-{ }	SPACER
12	916966	2	{00000}-{ }	LOCKWASHER, 1/2
13	174127	1	{00000}-{ }	GUARD ASSY, Stone
14	118053	2	{00000}-{ }	PIN
15	918452	2	{00000}-{ }	PIN, Cotter, 1/8 x 1
16	176012	2	{00000}-{ }	PIN, Clip



**TORQUE SPECIFICATIONS FOR  
STANDARD MACHINE HARDWARE  
TOLERANCE  $\pm 20\%$**

SIZE	SAE GRADE #2 		SAE GRADE #5 		SAE GRADE #8 	
	<u>In./Lbs.</u>		<u>In./Lbs.</u>		<u>In./Lbs.</u>	
	Ft./Lbs.	Nm.	Ft./Lbs.	Nm.	Ft./Lbs.	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.
5/16-18	11	15.	17	23.1	25	34.
5/16-24	12	16.3	19	25.8	25	34.
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.
7/16-14	30	40.8	50	68.	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.	75	102.	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.
9/16-18	75	102.	120	163.2	170	231.2
5/8-11	90	122.4	150	204.	220	299.2
5/8-18	100	136.	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.
3/4-16	180	244.8	300	408.	420	571.2
7/8-9	140	190.4	400	544.	600	816.
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,224.
1-12	240	326.4	640	870.4	1,000	1,360.

**NOTE:**

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
  - For prevailing torque locknuts - use 65% of grade 5 torques.
  - For flange whizlock nuts (and screws) - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings all torque values must meet this specification.

**BOLT HEAD MARKING  
S.A.E. GRADE:**

